

ATTACHMENT #2**Installation Requirements****BAF Perimeter BTADS-Linear Extension Connection - Fiber Optic Cable Installation**

The Contractor will provide highly skilled and experienced Field Service Representatives (FSRs) and other qualified technical personnel to support Outside the Continental United States (OCONUS) operations to install Fiber Optic Cable (FOC) for Bagram Air Field (BAF) and deliver an operational Border Tunneling Activity Detection System – Linear (BTADS) to monitor activity along the designated perimeter. The team will trench and install approximately **3.5 kilometers (km) of fiber optic cable (FOC)** starting in vicinity of Point A (as displayed on separate imagery provided by the U.S. Government representative on-site) and traveling east 3.5 km around the installation perimeter and terminating in the vicinity of Point B (also depicted on referenced imagery). Detailed information regarding start/end locations, depths, obstacles and other information will be provided by the onsite Government POC (imagery not included for security purposes). The Contractor will provide direct, onsite supervision and oversight of all installation activities and gain approval of any required changes to installation techniques. CONUS based personnel will validate any technical changes, contract adjustments, sub-contract management and reporting. Installation will be in addition to and not impact ongoing BTADS-L monitoring at BAF (currently 12/7 to 16/7 hours per day, 7 days a week). Contractor will provide designated project supervisor and workforce without impacting other contractually required support.

Coordinating Instructions:

1. **FOC Tie-in Procedures:**
 - a. On-site contractor POC will conduct splicing
 - b. Contractor will provide 24-strand fiber optic cable
 - c. Contractor will provide enclosures and handholds (where needed)
2. **Installation Subcontractor Work Hours:**
 - a. Saturday through Thursday 0800 – 1700 (no work on Friday for Local National personnel). This does NOT include time required to enter or exit post. One hour for lunch is included in the time.
 - b. Night time operations will need to take place for several reasons as indicated below. The Government on-site representative will dictate when this will occur and the Contractor shall coordinate with LN and company personnel:
 - i. When crossing a road that may impede traffic
 - ii. Work to be completed in/around ECP area that may impede traffic
3. **Materials:**
 - a. The Contractor shall furnish all personnel, ancillary equipment (SEE ATTACHMENT #1) and services do all things necessary for, or incident to, the performance in accordance with the requirements of the SOW Contractor is responsible to provide resources necessary to successfully complete installation/repair in accordance with the agreed-upon schedule.
 - b. Other direct costs including, but not limited to, travel, shipping and miscellaneous costs are to be covered by Contractor.

4. **Security: OFF SITE ONLY**
 - a. LN security will not be allowed when working within the proximity of the perimeter wall (U.S./Coalition security only). It is at the discretion of the Local National (LN) subcontractor if they will need security at any camp site outside of the perimeter.
 - b. Local National Subcontractor is expected to adequately compensate and insure their employees to enable a safe and successful execution of this subcontract.
 - c. Subcontractor will be responsible for all/any security requirements to successfully complete all requirements of the SOW.

5. **Fiber Optic Cable Installation:**
 - a. Contractor will ensure cable is buried to a minimal depth of one (1) meter and upon digging the trench subcontractor will lay cable, backfill with one (1) foot lift of soil, install approved marking tape, and backfill remaining trench to restore to original grade.
 - b. No section of the cable will be exposed. Any sections of cable that cannot be trenched below grade will be emplaced in conduit and covered with concrete to prevent damage.
 - c. All efforts will be made to reduce the number of splice points when installing the fiber optic cable (avoidable cuts made to cable).
 - d. During construction, the Contractor will not leave any section of trench open for more than 24 hours.
 - e. If installation must cross a paved road, the cut must be repaired with similar or more durable material (Asphalt or Concrete) after proper compaction of the trench IAW installation public works personnel.
 - f. On-site Contractor lead will approve changes to installation techniques, in conjunction with Government and technical representatives as required.

6. **Culverts:** At locations of existing culverts, Contractor will install FOC at a minimum depth of one meter below grade, in the approved conduit and will not impede the flow of water through the culvert. No mounds of soil will be left in front of the culverts.

7. **Damage:** The Local National subcontractor will be responsible for all damage by Subcontractor and/or Subcontractor's employees to any US or foreign national property including, but not limited to, shipping containers, trailers, buildings, slabs, vehicles, fencing, barriers, roads, and utilities.

8. **Reporting:** The Contractor will provide a daily status report in writing. Report should also include photos of the install if allowed to provide evidence of bury depth and area restoration (minimal scar, no open trenches or exposed cable). Report will also include an approximate schedule for the next 7 days. The contractor will also provide a detailed description of equipment and crew members.

9. **Excusable Delays:** Neither party shall be liable for any failure or delay in performance of its obligations under this agreement to the extent such failure nor delay due to circumstances beyond its reasonable control. Including, without limitation, acts of God, acts of public enemy, fires, floods, civil disturbances, sabotage, accidents, insurrections, blockades, embargoes, storms, explosions, labor disputes, acts of any governmental body, failure of delay of third parties or governmental bodies from whom a party is obtaining or must obtain approvals, authorizations, licenses, franchises or permits, or

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inability to obtain labor, materials, power, equipment, or transportation (collectively referred to herein as: Force Majeure”). Each party shall use its reasonable effort to minimize the duration and consequences of any failure of or delay in performance resulting from a Force Majeure event.

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ATTACHMENT #4

**QUALITY ASSURANCE SURVEILLANCE PLAN (QASP) FOR JOINT
PROJECT MANAGER RAPID REACTION TUNNEL DETECTION
SUSTAINMENT SUPPORT CONTRACT ID01150008**

Reviewed By:

E-Signed by LITZENBERGER.WALTER.1145473531
VERIFY authenticity with ApproveIt
LITZENBERGER.WALTER.

28 Apr 2015

WALTER LITZENBERGER
Logistics Management Specialist
Joint Project Manager Guardian

Date

SIOBHAN FRONGILLO
2015.05.05 13:47:24 -04'00'

SIOBHAN FRONGILLO
Contracting Officer
GSA/FAS, Region1

Date

1. PURPOSE.

a. This Quality Assurance Surveillance Plan (QASP) identifies the methods and procedures the Government will use to evaluate contractor actions while performing the requirements in the Performance Work Statement (PWS). It is not part of the contract or Task Order, nor is it intended to duplicate the contractor's own quality control processes.

b. This QASP provides a systematic method to evaluate performance for Task Orders under the Force Protection (FP) Services Omnibus contracts. It explains the following:

- (1) What will be monitored
- (2) How monitoring will take place
- (3) Who will conduct the monitoring
- (4) How monitoring efforts and results will be documented.

c. This QASP does not detail how the contractors should accomplish the work. Rather, it is designed to provide a systematic method to evaluate the services the contractor is required to furnish and provide direction to personnel performing contract surveillance activities. Joint Project Manager Guardian (JPMG) personnel will perform surveillance by monitoring contractor performance for each listed performance objective in Appendix A, Performance Requirements Summary.

d. This QASP is a "living document" and the Government may review and revise it on a regular basis. Updates will be made as required to ensure that the QASP remains a valid and useful document. The Government will coordinate changes to the Performance Requirements Summary (PRS) Matrix with the contractors.

e. This QASP will be provided to all Government officials implementing surveillance activities.

2. ROLES AND RESPONSIBILITIES.

a. The contractor (not the Government) is responsible for management and quality control actions necessary to meet the quality standards in the contract and/or Task Order. The contractor develops and implements its own processes to guide the required management and quality control actions needed to achieve the specified results. These processes are contained in the contractor's Technical Proposal.

b. The following personnel will oversee and coordinate surveillance activities:

(1) Contracting Officer (KO) - The Contracting Officer is responsible for safeguarding the interests of the United States in contractual relationships. Only the Contracting Officer is authorized to bind the Government and then only to the extent of the authority delegated to them through the issuance of a warrant. The Contracting Officer delegates authority for inspection and/or acceptance in accordance with terms of the contract and informs the contractor of the

names, duties, and limitations of authority for all quality assurance personnel assigned to the contract.

(2) Contracting Officer's Representative (COR) - The COR is responsible for quality assurance guidance and ensuring that contract quality requirements, provision, standards, and thresholds are defined, practical, enforceable, necessary and verifiable. The COR evaluates and documents contractor performance in accordance with the QASP, PRS and PWS. The COR notifies the Contracting Officer of any significant performance deficiencies, maintains surveillance documentation and recommends improvements to the QASP, PRS and PWS throughout the life of the contract. Any changes that the contractor deems may affect contract, price, terms, or conditions shall be referred to the COR for action. The COR will monitor the Contractor's performance by the Quarterly Program Management Reviews (PMR)s held onsite to see that tasks are completed, reports are submitted, and desired outcomes are achieved.

3. PERFORMANCE REQUIREMENTS.

a. The Government performs surveillance to determine if the contractor exceeds, meets or does not meet the specified performance standards. These performance standards define the desired services.

b. The PRS Matrix is an attachment to the Performance Work Statement (PWS). The Government will use these performance objectives and performance standards to determine contractor performance and compare contractor performance to the Acceptable Quality Levels (AQL). These standards are subject to change or modification if, during performance, it is agreed that changes/modifications will more appropriately address performance issues. Any change or modification shall be agreed upon by the KO, the COR, the TM and the contractor.

c. The following are some helpful definitions for use when reviewing the PRS Matrix:

(1) Performance Objective - a specific desired end result.

(2) Performance Standard - the conditions that will exist when a satisfactory job is performed.

(3) Acceptable Quality Level/Performance Threshold - the maximum defect that can occur and be considered acceptable. This will usually equate to the Satisfactory Performance Incentive.

d. During the performance period of these contracts and Task Orders, the contractor and all contractor employees shall comply with the policy of the Government with respect to human trafficking and prostitution as expressed in National Security Presidential Directive (NSPD)-22.

(1) Pursuant to NSPD-22, the Government adopts a 'zero tolerance policy' regarding Government employees and contractor personnel representing the United States abroad who engage in trafficking in persons. Because these activities may contribute to the phenomenon of trafficking in persons, the Government opposes prostitution and any related activities, including pimping, pandering or maintaining brothels.

(2) The contractor shall ensure that its employees are made aware, through training or otherwise, of the Government's zero-tolerance policy and of all host nation laws relating to human trafficking and prostitution. The contractor shall make its employees aware of all United States laws on human trafficking and prostitution which may apply to its employees' conduct in the host nation, including those Federal laws for which jurisdiction is established by the Military Extraterritorial Jurisdiction Act of 2000 (codified at 18 U.S.C. § 3261-3267). The contractor shall also make its employees aware of directives on human trafficking and prostitution from the military area commander that apply to contractor employees, such as General Orders and military listings of off-limits local establishments. The contractor is solely responsible for providing the legal guidance and interpretations for its own employees pertinent to the requirements above, and at no time shall Government employees assist in the interpretation of any law, regulation or directive on behalf of the contractor.

(3) The contractor shall take appropriate employment action, including removal from the host nation or dismissal, as deemed necessary, in accordance with its own operating procedures and applicable laws and regulations, against an employee who engages in prostitution or any other activity which may support trafficking in persons, or who otherwise violates a law, regulation or directive described above. The contractor shall inform the KO and the COR of any such action. Upon direction from the KO, the contractor shall replace any such employee with an employee suitable to the KO. Further, the contractor shall inform the KO and the COR of any information it receives from any source (including host country law enforcement) that indicates a contract employee is engaged in conduct that violates Government policy concerning prostitution and human trafficking.

(4) Pursuant to NSPD-22, failure to enforce this provision shall subject the contractor to debarment and suspension procedures. The contractor shall ensure that this clause flows down to all subcontractors.

(5) The COR will conduct random visual observation in this area and report any signs of abuse or use of restraints immediately to the KO.

4. METHODS OF SURVEILLANCE.

a. Regardless of the surveillance method, the COR will always contact and inform the contractor's Contract Manager when a problem is encountered. The COR will be responsible for monitoring the contractor's performance in meeting a specific Performance Standard and AQL.

b. The COR will use the routine assessment/inspection method of surveillance. This method relies on COR feedback from direct observation and will be performed at least monthly. COR feedback must be in writing, detailed, signed and forwarded to the KO.

c. Surveillance results may be used as the basis for actions against the contractor. In such cases, the Inspection of Services clause in the contract becomes the basis for the KO's actions.

5. DOCUMENTING PERFORMANCE.

a. Performance documentation must be accurate and thorough. Completeness, currency and accuracy support both satisfactory and unsatisfactory performance. The COR will, in addition to providing performance documentation to the KO, maintain a quality assurance file. This file will contain copies of all reports, evaluations, recommendations and any other actions related to the Government's performance of quality assurance. The file will be retained for the life of the contract. The COR will forward this file to the KO upon termination or completion of the contract.

b. Acceptable Performance. The Government will document acceptable performance. Any report may become part of the supporting documentation for KO actions.

c. Unacceptable Performance. When unacceptable performance occurs, the COR will inform the contractor's Contract Manager. If required, the COR will then inform the contractor in writing, unless circumstances necessitate verbal communication. Regardless, the COR will document the discussion, place it in the COR file and forward it to the KO.

6. FREQUENCY OF MEASUREMENT.

While the contractor is fully expected to comply with all of the requirements in the PWS, the Government's assessment of contractor performance will focus mainly on the objectives listed in the Performance Threshold column of the PRS Matrix. The COR will monitor the contractor's performance to ensure it meets the required standards. The contractor's performance will be recorded annually in the Contractor Performance Assessment and Reporting System (CPARS).

7. DOCUMENTATION REQUIREMENTS.

The COR is responsible for maintaining a Surveillance Folder at a designated location. The following information should be contained in the Surveillance Folder:

- a. QASP
- b. Contractor's Quality Control Plan
- c. Applicable portions of the contract, to include PWS, and any modifications
- d. Appointment Letters and Training Certificates of the COR
- e. Contractor Discrepancy Reports
- f. Memo's/Miscellaneous Correspondence
- g. Monthly Surveillance Report Sent to the Contracting Officer
- h. Quarterly Surveillance Report Sent to the Contracting Officer
- i. Risk Based Surveillance Schedule
- j. Current Office of Government Ethics (OGE) Form 450 signed by the COR's Supervisor

APPENDIX F – PERFORMANCE REQUIREMENTS SUMMARY

	Performance Objective	Performance Standard	Performance Threshold	Method of Surveillance
PRS #1	FSR response time to customer calls	Within 2 hours	As required	Periodic surveillance using normal, reduced, or tightened inspection random sampling on quarterly basis. Formal evaluation on semi-annual basis.
PRS #2	Troubleshoot reported faults	100%	Daily/As Required	Periodic surveillance using normal, reduced, or tightened inspection random sampling on quarterly basis. Formal evaluation on semi-annual basis
PRS #3	Maintenance Repair Parts (on order within 24 hrs of inspection)	100%	Daily/As Required	Periodic surveillance using normal, reduced, or tightened inspection random sampling on quarterly basis. Formal evaluation on semi-annual basis.
PRS #4	System Repair	Diagnose within 8 hours. Repair within 24 hours subject to parts availability	As Required	Periodic surveillance using

		and Government transportation if call is outside the Base/FOB.		normal, reduced, or tightened inspection random sampling on quarterly basis. Formal evaluation on semi-annual basis.
PRS #5	Maintenance Repair Parts (on order within 24hrs of inspection)	24 hours	Daily/As Required	Periodic surveillance using normal, reduced, or tightened inspection random sampling on quarterly basis. Formal evaluation on semi-annual basis.
PRS #6	Operational Readiness Reporting	100%	Daily/As Required	Periodic surveillance using normal, reduced, or tightened inspection random sampling on quarterly basis. Formal evaluation on semi-annual basis.
PRS #7	Reporting of Activities in support of this Contract	100%	Monthly/As Required	Periodic surveillance using normal, reduced, or tightened inspection random sampling on quarterly basis. Formal evaluation on semi-annual basis.

SERVICES, INFORMATION TECHNOLOGY, AND OPERATIONS SUPPORT CPAR FORM Attachment #3

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CONTRACTOR PERFORMANCE ASSESSMENT REPORT (CPAR) -										SERVICES INFORMATION TECHNOLOGY OPERATIONS SUPPORT								
<i>(Source Selection Sensitive Information)(See FAR 3.104)</i>																		
1. NAME/ADDRESS OF CONTRACTOR (Division)					2.	INITIAL	INTER-MEDIATE	FINAL REPORT	ADDENDUM									
					3. PERIOD OF PERFORMANCE BEING ASSESSED													
CAGE CODE		DUNS+4 NUMBER			4a. CONTRACT AND ORDER NUMBER				4b. DoD BUSINESS SECTOR & SUB-SECTOR									
FSC OR SERVICE CODE		SIC Code			5. CONTRACTING OFFICE (ORGANIZATION AND CODE)													
6. LOCATION OF CONTRACT PERFORMANCE (If not in item 1)					7a. CONTRACTING OFFICER				7b. PHONE NUMBER									
					8. CONTRACT AWARD DATE				9. CONTRACT COMPLETION DATE									
					10. N/A													
					11. AWARDED VALUE					12. CURRENT CONTRACT DOLLAR VALUE								
					13.					COMPETITIVE			NON-COMPETITIVE					
14. CONTRACT TYPE																		
	FFP		FPI		FPR		CPFF		CPIF		CPAF		MIXED		OTHER			
15. KEY SUBCONTRACTORS AND DESCRIPTION OF EFFORT PERFORMED																		
16. PROGRAM TITLE AND PHASE OF ACQUISITION (If applicable)																		
17. CONTRACT EFFORT DESCRIPTION (Highlight key components, technologies and requirements; key milestone events and major modifications to contract during this period.)																		
												CURRENT RATING						
18. EVALUATE THE FOLLOWING AREAS												PAST Rating	Unsatisfactory	Marginal	Satisfactory	Very Good	Exceptional	N/A
a. QUALITY OF PRODUCT OR SERVICE																		
b. SCHEDULE																		
c. COST CONTROL																		
d. BUSINESS RELATIONS																		
e. MANAGEMENT OF KEY PERSONNEL *																		
f. OTHER AREAS																		
(1)																		
(2)																		

* Not applicable to Operations Support

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SERVICES, INFORMATION TECHNOLOGY, AND OPERATIONS SUPPORT CPAR FORM (continued)

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19.	N/A		
20. PROGRAM MANAGER (OR EQUIVALENT INDIVIDUAL) RESPONSIBLE FOR PROGRAM, PROJECT, OR TASK/JOB ORDER EXECUTION NARRATIVE (SEE PARA. 1.3)			
21. TYPE NAME AND TITLE OF PROGRAM MANAGER (SEE PARA. 1.3)		ORGANIZATION & CODE	PHONE NUMBER
SIGNATURE		DATE	
22. CONTRACTOR COMMENTS (Contractor's Option)			
23. TYPE NAME AND TITLE OF CONTRACTOR REPRESENTATIVE			PHONE NUMBER
SIGNATURE			DATE
24. REVIEW BY REVIEWING OFFICIAL (Comments Optional)			
25. TYPE NAME AND TITLE OF REVIEWING OFFICIAL		ORGANIZATION AND CODE	PHONE NUMBER
SIGNATURE		DATE	

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New England Region

Ordering Procedure: **One Acquisition Solution for Integrated Services (OASIS)**

Request for Proposal: **Task Order ID01150008 Issued in accordance with OASIS GWAC and FAR Subpart 16.505(b)**

Title: **Contractor Logistics Sustainment and Support Service for Rapid Reaction Tunnel Detection (R2TD)**

Date Issued: May 6, 2015

Clarification/Questions Due: May 18, 2012 2:00 p.m. EST

Proposal Due Date: June 8, 2012 2:00 p.m. EST

Submit to: Siobhan.Frongillo@gsa.gov
copy to: Lorraine.LaFleur@gsa.gov

Contracting Officer: Siobhan Frongillo, GSA – Region 1
O’Neill Federal Building
10 Causeway Street – Room 1085
Boston, MA 02222
(617) 548-5628
Siobhan.Frongillo@gsa.gov

ID01150008

OASIS Task Order Solicitation Notice

OASIS Pool Being Solicited: OASIS Pool 3

NAICS Code and Size Standard: Code 541330 Exception A, for Military Engineering. The Performance Service Code R425.

Extent of Competition: [check the boxes that apply] This solicitation will be based on [X_] fair opportunity procedures; [] an Exception to Fair opportunity as designated below;.

[] classified [X_] unclassified [] a mix

[X_] commercial [] non-commercial [] a mix

Performance locations are [] CONUS [] OCONUS [X_] a mix, and are performed [] on Government site [] on Contractor's site [X_] on both Government and Contractor's sites.

[if performance will be in multiple locations and/or a mix of CONUS, OCONUS, Government and Contractor sites, identify in solicitation section 2.0, Description of Services which services are performed where.]

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Description of Services

Background

R2TD is made up of the "A" and "B" kits. The "A" and "B" Kits were developed through a Joint Capabilities Technology Demonstration (JCTD) with the US Army Corp of Engineers, Engineer, Research & Development Center (ERDC) and Joint Program Manager Guardian (JPMG) as transition manager. The passive "A" kits are tunnel detection capabilities to counter adversaries in Afghanistan from using purpose-built tunnels or existing subsurface infrastructure to circumvent tactical perimeter defense. The mobile "B" kits were developed to assist in survey large areas for perimeter defense and tunnel surveys.

Scope

The Contractor shall provide all necessary labor, materials (e.g. spare parts and manuals), equipment (e.g. tools and testing equipment), disposal, transportation, training, sensor communication, and supervision as described in this Performance Work Statement (PWS) for installation, sustainment, monitoring, and refurbishing of the Rapid Reaction Tunnel Detection (R2TD) systems deployed in South West Asia for U.S and Coalition forces. Each Regional Command (RC) shall have a FSR team lead that reports directly to the deployed Government (JPMG) Personnel.

The scope for the R2TD effort of this task is to provide installation, sustainment and monitoring/operation for up to 3 passive systems ("A" Kits) and up to (3) mobile detection systems ("B kits") across SWA. Monitoring of the systems will be 12 hours a day, 7 days a week for the "A" kits and 24 hours a day, 7 days a week for the A kit at Kabul International Airport. The "B" kits will support requests throughout SWA for surveys as needed (expect 2-3 surveys per month).

Task Order Line Items and Task Order Type

LABOR CATEGORIES

Base Period (June 2015 to December 31, 201)

CLIN	Description	Estimated Hours	\$/Hr	Total
0001 FFP	*Program Manager	1810		
	Senior Technical Trainer	1000		
	Senior Associate	1080		
	Engineer	2080		
	Associate	2080		
	OCONUS FSR Supervisor	3620		
	OCONUS Lead FSR	3620		
	OCONUS FSR, Level 2	3620		

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	OCONUS FSR, Level 3/Monitoring	29840		
0002 CR	Travel			
0003 FFP	Training			
	Subtotals	48750		

Option Period 1 (January 1, 2016 to December 31, 2016)

CLIN	Description	Estimated Hours	\$/Hr	Total
0001 FFP	*Program Manager	1810		
	Senior Technical Trainer	1000		
	Senior Associate	1080		
	Engineer	2080		
	Associate	2080		
	OCONUS FSR Supervisor	3620		
	OCONUS Lead FSR	3620		
	OCONUS FSR, Level 2	3620		
	OCONUS FSR, Level 3/Monitoring	29840		
0002 CR	Travel			
0003 FFP	Training			
	Subtotals	48750		

Option Period 2 (January 1, 2017 to December 31, 2017)

CLIN	Description	Estimated Hours	\$/Hr	Total
0001 FFP	*Program Manager	1810		
	Senior Technical Trainer	1000		
	Senior Associate	1080		
	Engineer	2080		
	Associate	2080		
	OCONUS FSR Supervisor	3620		
	OCONUS Lead FSR	3620		
	OCONUS FSR, Level 2	3620		
	OCONUS FSR, Level 3/Monitoring	29840		
0002 FFP	Training			
0003 CR	Travel			
	Subtotals	48750		

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CLIN 0004 Optional Installation (1-5 Options) (June 2015 to December 2017)

Item/Service	Qty	Cost Each	Total Cost
LABOR & MATERIALS			
*Contract Manager Labor	1 FTE		
Systems Engineer Labor	2 FTE		
Site Preparation	1 Lot		
Horizontal Drill	9 km		
A kit Mechanical Trenching	9 km		
A kit Hand Trenching	5 km		
Boreholes (1 meter deep)	288		
Boreholes (10 meter deep)	312		
Labor/Management Costs	1 Lot		
Site Prep Consumable Materials	1 Lot		
Equipment Rental	1 Lot		
Total Labor & Materials:			
SUPPLY PARTS			
A Kit Equipment Shortage Purchase	1 Lot		
A Kit Spares	1 Lot		
A Plus Kit Equipment Shortages	1 Lot		
Equipment Purchase	1 Lot		
Equipment Transportation	1 Lot		
Total Supply Parts:			
ODC			
Offsite Sustainment	270 Days		
Technical Analysis	1 Lot		
Total ODC:			
TRAVEL			
Contractor Travel	15 Trips		
Contractor Per Diem	90 Days		
Total Travel:			
Total:			

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CLIN 0001 (Firm Fixed-Price) provide sustainment and monitoring/operation for up to 3 passive systems ("A" Kits) and up to (3) mobile detection systems ("B kits") across SWA. Monitoring of the systems will be 12 hours a day, 7 days a week for the "A" kits and 24 hours a day, 7 days a week for the A kit at Kabul International Airport. The "B" kits will support requests throughout SWA for surveys as needed Solicitation section 2.3 through 7.1 apply.

CLIN 0002 (Firm Fixed Price) Training to support CLIN 0001.

CLIN 0003 (Cost Reimbursement) Travel Costs to support CLIN 0001 and 0002

CLIN 0004 (FFP) Optional Installation will be funded on an as needed basis (Total of 5 options)

STATEMENT OF WORK (APPROACH/METHODOLOGY/TASKS)**Definitions**

- a. Sustainment is defined as maintenance, repairs, technical support and covers the entire system including software, hardware and associated electronic and safety systems, hydraulic system, vehicle trailer.
- b. Maintenance is defined as regularly scheduled Preventative Maintenance Checks and Services (PMCS) in accordance with manufacturer's specifications, with all activities annotated. PMCS are those maintenance tasks used to identify and prevent potential equipment problems. PMCS also includes the periodic scheduled checks to monitor the health condition of an item of the system. It includes quick turnaround repairs by component replacement and adjustment.
- c. Repairs are defined as repair/replacement of component failures as appropriate
- d. Technical support is defined as a combination of in-country help desk support, unscheduled maintenance and repair tasks, operator training, and related spare parts supply and management.
- e. Partially Mission Capable (PMC) (Yellow) is defined as the system being able to scan images in a proper working condition, however all functions of the system are not in proper working order, to include but not limited to moving under its own power (when applicable) operating independent of an outside power source.
- f. Non Mission Capable (NMC) (Red) is defined as the system being unable to perform its intended mission or is not in working condition. A Red Day is defined as a system being in Red status for 6 or more hours in any given calendar day.

ID01150008**Performance Standards**

All systems covered by this PWS shall be sustained in a way to maintain a minimum operational readiness rating (90% for R2TD (A and B kits). The ORR will be determined daily based on the average daily operational readiness rating for each system.

Standards

Task	Standard	Frequency
	Objective	
Response Time to Help Desk Calls	Within 2 hours	As required
Troubleshoot faults	100%	Daily/As Required
Inventory Accuracy	100%	Daily/As Required
System Repair	Diagnose within 8 hours. Repair within 24 hours subject to parts availability	As Required
Maintenance Repair Parts (on order within 24 hrs of inspection)	24 hours	Daily/As Required
Operational Readiness Reporting	100%	Daily/As Required
Reporting of Activities in support of this Task Order	100%	Monthly/As Required

Period of Performance

This contract will include one six (6) month base period and two (2) twelve (12) month option Periods.

Hours of Operation

The Contractor shall provide for 12/7 maintenance operation. The Contractor shall establish regular duty hours and submit to the PCO/COTR or his/her designee for approval. The standard workweek shall be 84 hours (7 days x 12 hours per day).

Training

Contractor Personnel Training

The contractor shall provide training for its own personnel in all areas of safety, operation and maintenance of the R2TD/HI, emergency procedures, and troubleshooting procedures.

Contractor shall also provide qualified trainers to train operators as described in Section 2.5.2 below.

Operator Training (Sustainment)

The contractor shall conduct on-site, in-country operator training and radiation awareness training for U.S. Forces and contracted support personnel. Operator training shall be conducted in accordance with the contractor's standard training procedures and policies. Contractor shall provide all support equipment, training materials, and training aids. Contractor shall provide one operator manual to the Government for each type of R2TD Kits in CD format with files in .pdf format, with copyrights provided. The contractor shall provide operator manuals for classroom use, and hardcopy training aides that are laminated with plastic cover, one for each student to keep.

The contractor shall conduct sustainment training to accommodate troop rotations, new personnel, and combatant commanders change in personnel due to mission requirements. It is estimated that there will be 4 training sessions with approximately 20 students per session within the PoP. Each maintenance event shall be considered an opportunity to perform any required refresher training (on site) to, particularly if the maintenance event was caused by operator neglect, or some form of misuse, intentional or otherwise.

Drawdown

Upon receipt of disposition instructions from theater command authorities, drawdown activities will be coordinated between JPM Guardian, contracting officer and representatives in the SWA AOR and in coordination with the CENTCOM.

Refurbishment

The Contractor shall support the refurbishment process to restore a unit's equipment to a desired level of combat capability, as directed by the PCO/COR or his/her designee.

Battle Damage/Battle Loss

Systems that battle damaged/or battle loss will be identified to the Government COR to coordinate with Depart of Defense (DoD) for disposition/replacement instructions.

Management Plan.

The Contractor shall submit a process control plan 14 days after Task Order award for Government review which does, but is not limited to, the following:

Describe the process and the management system to include planning, scheduling, prioritizing work, work order development, additional computer software systems used, process improvements, etc.

Identify the Contractor's internal and external standard management practices and procedures.

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Address, at a minimum, the Contractor's personnel, contracts administration, work control, and work performance areas.

Provide specific written Standard Operating Procedures (SOPs) and flow processes for each work function contained in the Task Order.]

Specific Duties

Contractor will monitor all R2TD operator systems to ensure they are operational by performing daily visual inspections.

Contractor will monitor R2TD A kits monitors and alert Battle Space Owners (BSO's) of any activities determined to be alerts, or comply with Tactical Operations Center (TOC) protocols for reporting. This occurs during all duty hours.

All activities during 12 hour shifts will be recorded in a log and data will be backed up daily.

Contractor will perform system maintenance task weekly.

R2TD contractors will be responsible for any cable breaks repairs. It is estimated that (2) systems (1 A kit) will require a repair per month. A typical repair would consist of the following:

Personnel:

Splice Tech x 1-2

Crew Supervisor

General Laborers x 3 (average)

Equipment:

Replacement Cable

Misc. Splicing supplies: tape, tubes, zip ties etc.

Excavator

Splicer

Estimate time to complete repair no more than 24-hr

Quality Assurance**Mission Analysis Meeting**

Regular meetings shall be held between Contractor and Government staff. Levels of attendance, meeting structure and frequency (not less than monthly) shall be approved by the COTR or his/her designee. Written recaps of these meetings shall be generated by the Contractor and submitted to the COR, the COTR and his or her designee for approval, as required. These summaries shall provide sufficient detail for understanding of the problem and intended action/solution, along with responsible action officer/entity. Each meeting shall begin

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with a review of the most recent summary at the same level. The contractor shall retain minutes on file.

Equipment Status

Each day, the contractor will provide to the COTR an equipment status report covering the previous day on all designated critical force protection systems tracked in theater.

Review and Analysis

The Contractor shall prepare and formally present a Monthly Review and Analysis to the COTR and his or her designee. The report will address progress and/or status against performance requirements addressed throughout this PWS. See 5.9 below.

Unprogrammed Requirements

The Contractor shall provide management and technical information requested by the COTR or his/her designee in the specified format and by the suspense required. Such information may not be specifically addressed as a CDRL item. Requirements may include but not be limited to:

- a. Technical evaluation of suggestions
- b. Group tours
- c. Input for staff studies
- d. Fact sheets
- e. One-time reports
- f. Listings
- g. Densities (quantity of supported system in each area of operations)
- h. Recommendations for amending or revising Government requirements within the scope of this Task Order.
- i. Scheduled and unscheduled meetings
- j. Audits
- k. Engineering estimates and cost proposals

Data Rights

All records, files, reports, and data deemed proprietary by the Contractor shall be clearly marked accordingly. Contractor shall have all proprietary interest in the work product developed by said Contractor during the course of this award and expressly retains all rights to copyrights, patents, trade secrets or other proprietary rights.. Procedures, SOPs, records, files, reports and data developed or delivered under the Task Order resulting from this PWS by the Contractor to the Government will be Government property.

Installation Requirements (SEE ATTACHMENT #2 FOR SPECIFICATIONS)

Place of Performance: The place of performance/installation will be provided upon award of task order. For the purposes of this solicitation, the location will be herein noted as Location Alpha.

Upon Task Order award, the contractor shall begin Host Nation Visa process. No later than 45 days after Task Order award, Field Service Representatives (FSR) arrives on location and begins the installation of A Kit. Priority of effort will begin with the Active Seismic Imager (ASI) scan, if the ASI scan has not been completed in the past 30 days. The A Kit will then be installed starting with the highest threat area possible, and incrementally “brought on line” allowing those sections to be monitored. Once online, the FSRs will train select personnel on how to read the A Kit results. During the A Kit install, a detailed site survey will be completed to assess the most suitable location for the A+ Kit. Concurrently with the A Kit installation, ASI scans will be performed once a month to increase the confidence rate of the system. Monthly ASI scans will continue until the A+ Kit is fully operational. The A Kit is required to be fully operational not later than 105 days after Task Order award. Once the A Kit is installed and fully operational, the A+ Kit installation will begin. The first TADS (Tunneling Activity Detection System) Control Module (TCM) will be installed and operational in the highest threat area possible, and brought online allowing that section to be monitored. The FSRs will then train personnel on how to monitor the A+ Kit system. Once the first TCM is operational, all subsequent TCMs will be installed. After the complete install of the A+ system, the FSRs will be responsible for the sustainment of the system. The A+ Kit system needs to be installed and fully operation not later than seven months after receiving all of the equipment.

Special Consideration: At this time, it is unclear if host nation labor will be mandated. Given this information, the contractor shall price out using full or partial host nation labor to support the installation effort. In addition, any equipment needed for this installation shall be purchased, and or rented on the economy (the Government will not be able to provide trucks, excavators, heavy movers, etc.).

Types of Equipment:

A Kit: The A Kit consists of fiber Optic Cable which is buried approximately 1 meter (m) in depth. A laser pulse is sent down the length of the cable, which is used to detect seismic energy on the surface up to 20m horizontally and subsurface activity up to 3m in depth. The results of the laser pulse are displayed on a laptop computer utilizing Google Earth. The laptop can be collocated in a Tactical Operation Center, or be at a standalone location operated out of a Tri-con container.

An A Kit is required around the 9 kilometers (Km) perimeter of Location Alpha with the capability to house the Analysis Operation Center (AOC) in the Joint Defense Operation Center (JDOC) or remote location (TBD). Due to existing infrastructure, both machine and hand trenching shall be required. The fiber optic cable shall be buried at a depth below one meter. The contractor shall provide oversight to the host nation installation crew, establish the A Kit system, calibrate/register the system once Fully Operational Capability (FOC) has been fully installed and train specified Department of Defense (DOD) and Department of State (DOS) entities to operate and maintain the system. Note, if the existing infrastructure is damaged or destroyed during installation, the contractor shall be responsible for repair. The A Kit installation shall be completed no later than 105 days after Task Order award.

A+ Kit: The A+ Kit is a separate tunneling detection system which is comprised of Geophones which are buried in pairs at depths of 1m and 10m. The Geophones are microphones which can detect subsurface activity up to 20m in depth. Results of the A+ Kit can be displayed on the same computer screen as the A Kit, or on a separate system.

An A+ Kit is required around a select area of the perimeter totaling 4.2Km in length. The exact design and location shall be determined after a thorough site survey is completed and approved by the Government. For planning purposes, assume that seven complete TCMs shall be utilized which consisting of approximately 336 deep geophones emplaced at 10m deep and approximately 336 shallow geophones placed within 1m of the deep geophones totaling approximately 672 total geophones located in a specified array around the inside perimeter wall. An additional 24 boreholes shall be needed for testing and tuning procedures. Normal spacing between geophone sets is 12.5m. The vertical (+/- 1 degree) boreholes, 10cm in diameter (or larger) and 10m (+/- 10cm) in depth design and construction, due to the large volume of existing infrastructure to be continuously modified to achieve the installation. The winning contractor shall subcontract to approve host nation contractors to drill, excavate and mitigate with direct oversight. The contractor shall locate and determine feasibility of construction on the base. Coordination shall be required not to jeopardize or modify the specifications of the A+ Kit system, which could degrade the effectiveness of the system. Six to seven TCMs shall be placed around the inside perimeter of the base. Trunk cables and FOC require hook up to the TCMs per design and require the appropriate power connected to fulfill these design requirements. The system shall be fully operational and calibrated during construction phases. Down-hole sources shall be placed in predetermined locations at a depth of 10m at approximately 12-15 locations around the inside perimeter. Due to the existing infrastructure, shielding shall be placed on all trunk cables located within 7m from parallel electrical lines. Case shielding shall be determined with future efforts conducted by the Government for effectiveness and feasibility. Placement of geophones shall be in a high water table requiring casing emplacement and a possible slurry solution for good geophone coupling and require casing to be removed after placement. Procedures will have to be produced by the Government to determine feasibility and procedurally.

This serves as a basic requirement document covering cable system installation services on the perimeter of location Alpha. The system components and technical assistance will be provided by the Government. The contractor shall be responsible for replacement and repair of any existing cable systems, infrastructure, plumbing and electrical/communication systems, roads,

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sidewalks, etc. The A+ Kit needs to be installed and fully operational not later than seven months after receiving the equipment.

B Kit: The B kit is a mobile tunnel detection system, used to detect existing tunnel or voids in the earth. The ASI scans shall be conducted around the perimeter of location Alpha, on the onset of the installation process if no ASI scans have been performed. Subsequent scans will occur monthly while installation is in progress. Results of the ASI scan shall be provided and a summary of report will be given to the Government not later than seven days after scan is completed. After the A Kit and A+ Kit are fully operational, ASI scans shall be conducted on a bi-monthly rate or greater if determined necessary by the Government.

Contractor shall perform project management oversight, quality assurance/quality control as a member of the Government with limited governmental liaison in support of the installation and operation of R2TD at location Alpha. The contractor is responsible to have their FSRs, with approved visa, on location and ready to begin supervision of install not later than 45 days after Task Order award. A Kit installation will be installed and operational not later than 105 days after task order award. A+ Kit shall be installed and operation not later than later than one year after task order award. ASI scans shall be completed once per month until the completion of A+ Kit installation and is fully operational.

Special Conditions: The Contractor under direction of DOS shall coordinate with approved subcontractor to perform project management and technical oversight tasks related to the installation of the R2TD. Meeting the specification for accurate system operation involves varying installation techniques to meet changing terrain and geologic or geophysical conditions within each site. The B Kit will require technical operators and post-processing capabilities to perform accurate surveys.

Technical Requirements for installation

Geophone Drilling: Drill 672 vertical (+/- 1 degree) boreholes, 10cm in diameter (or larger) and 10m (+/- 10 cm) in depth. Drilling will be per design predetermined by the Government and accepted by Base Commander. Future site survey will need to be executed before installation can begin. Placement of geophones will be in a high water table requiring casing emplacement and a possible slurry solution for good geophone coupling but will require casing to be removed after placement. Backfill boreholes using fine-grained native soil with average aggregate diameter not to exceed 2.5cm and no coarse aggregate or gravel. Procedures will be produced by the Government to determine feasibility and the correct process for drilling.

Borehole and Down-hole Source Drilling: Drill vertical boreholes, 20 or 10cm in diameter (or larger) and up to 20m in depth as directed by the Government. Down-hole sources will be placed in predetermined locations at a depth of 10-20m at approximately 12-15 locations around the inside perimeter. Possible slurry solution for good down-hole source coupling maybe required using techniques and procedure developed for the geophone placement. Open boreholes predetermined by the Government may require encasement to prevent borehole closure and ground water penetration.

ID01150008**Trenching, Excavation & Backfilling:**

Mechanical Trenching: Excavate a primary trench one meter in depth, ½ meter to 10-30 cm wide and 9km in length using a backhoe, track hoe, excavator or similar. Trench will be used for placement of fiber optic cables, trunk cables and geophone cables. When necessary, ½ meter to one meter trench will be required for placement of conduit or other shielding means to protect copper cables from Electro-Magnetic (EM) fields. Proper placement of EM sensitive areas requiring conduit or other shielding means will be determined by the Government.

Mechanical Trenching Secondary: Excavate secondary trenches one meter in depth and one meter to ½ meter wide. A secondary trench connects the main trench to each 10m deep hole, an average length of 4m to 8m as designated by design. At a minimum, hand digging will be required near the hole to avoid cutting the cable and optical fiber cables. An additional one meter in length will be required to install the shallow geophone. When necessary, ½ meter to one meter trench will be required for placement of conduit or other shielding means to protect copper cables from EM fields. Proper placement of EM sensitive areas requiring conduit or other shielding means will be determined by the Government.

Extension Trenches: Excavate cable trenches using a mechanical walk behind, ride-on or attached trencher capable of depths to 100-120cm, width range 10 - 30cm. Total trench length is approximately 1km meters. Trenches will extend from main trench to designated TCM locations and to final TPF location. When necessary, ½ meter to one meter trench will be required for placement of conduit or other shielding means to protect copper cables from EM fields. Proper placement of EM sensitive areas requiring conduit or other shielding means will be determined by the Government. Final trench widths will be determined at the site by the COR/Project Manager.

Fiber Optical Reel Burial: Optical Fiber Reel Burial – permanent and temporary 2m x 2m x 2m deep pits to be dug for placement of excess fiber optic cable reels.

Backfill of Trenches, Borehole/Down-hole and Pits: Backfill trenches, boreholes and pits – backfill using fine-grained native soil with average aggregate diameter not to exceed 2.5cm and no coarse aggregate or gravel. Hand-tamp or mechanical tamp all boreholes and trenches to grade and place metalized warning tape approximately 32cm below grade. Remove all manmade debris such as steel, glass, shrapnel, and installation material from the trenches prior to backfill. Clean up work site debris upon completion of backfill.

Hand Digging/Trenching: Hand trenching will be necessary in areas with existing infrastructure where mechanical trenching damage is likely and at the direction of the base commander. When necessary, ½ meter to one meter trench will be required for placement of conduit or other shielding means to protect copper cables from EM fields. Proper placement of EM sensitive areas requiring conduit or other shielding means will be determined by the Government.

Misc. Requirement: The Government or designated contractor authority will be responsible for obtaining site approvals, to include dig permits. The contractor shall provide copies of the dig permits and shall meet all the requirements contained there-in.

Special Note: In the vicinity of culverts and other base infrastructure, it may be necessary to increase the depth and/or width of the trenches to accommodate future base ops drainage work or future infrastructure work. Design and construction, due to the large volume of existing infrastructure may need to be continuously modified to achieve the installation. The contractor along with the approved subcontractor shall locate and determine feasibility of construction on the base but coordination will be required to not jeopardize or modify the specifications of the A+ kit system, which could degrade the effectiveness of the system. The Government requires shielding placement on all trunk cables located within 7m from parallel electrical lines. Case shielding will be determined with future efforts conducted by the Government for effectiveness and feasibility.

Site Preparation and Restoration Subcontractor:

The Contractor shall move, demolish, or reposition any fences, barriers or infrastructure as required for installation. Repair or replace to original condition if damaged. The Contractor shall document the condition of the infrastructure prior to starting installation activities. The contractor shall repair all damage to the location Alpha's perimeter fences prior to leaving the worksite. Temporary repairs approved by the Government are acceptable until permanent repairs are completed. This applies to all aspects of the installation; including the optical fiber installation with modified fiber plow/ripper attachment operated around the entire perimeter. All demolition materials to be hauled and disposed at a designated area on location Alpha, except sand shall be hauled in accordance with local procedure.

Equipment and Supplies Subcontractor:

Electrical: The Contractor shall provide installation methods as part of their proposal. Supply materials, equipment, and procedures pre-approved by the local command to connect electrical systems to designated power source. Connection requirements will be reviewed by the Government on site two weeks prior to actual connection. A US licensed electrician will make final connections to power systems. Contractor shall obtain all necessary approvals from base commander.

Outdoor Security Lighting: Provide outdoor security lighting as required.

Workforce Management

The following items are the responsibility of the Contractor for general requirements and requirements related to working in host nations. The articles are not all-inclusive, but are examples of items meeting this intent.

Personnel Qualifications/Training

Contractor personnel shall be trained, qualified, and fully capable of performing the requirements specified in this PWS. The Contractor shall provide initial and refresher training as required. Contractor will provide training certificates for all FSR system operators/maintainers that shows adequate training has been completed.

Workforce Data

The Contractor, upon request, shall produce a Contractor personnel file for review by the Government, which identifies current on-board personnel, training qualifications, special certifications, licenses, whether mission essential, immunizations, and skills incumbent to the assigned job and position. These skills shall be consistent with those required by applicable technical publications or regulatory requirements (e.g., soldering, welding, painting, armor, familiarity with military weapons, technical manuals, and database systems).

Communications

Contractor personnel are required to interact with Government personnel and other Contractors and shall be able to communicate fully in English, both in writing and orally.

Security Clearance

The Contractor shall obtain, by the performance start date and maintain throughout the Task Order, security clearances and background checks for first-line supervisors and/or any employee who performs classified tasks and who perform data entry under this PWS. All key personnel will possess or have the ability to obtain a secret security clearance.

Key Personnel are those who may have the requirement to send classified data pertaining to the actual locations of some equipment. Not all systems are stationed permanently. Some are moved off base to remote areas. At times, FSRs must travel to these remote areas for maintenance and repairs.

Compliance with Host Nation Rules, Status of Forces Agreement (SOFA) and Defense Contracting Agency Agreements (DCA), and Customs.

The Contractor shall abide by all Host Nation and Government rules to include safety requirements, customs, regulations, laws, directives and requirements which are issued during the Task Order term relating to law and order, labor, administration, and security on and off the installation. Violation of such rules, regulation, laws, directives or requirements shall be grounds for removal (permanent or temporary as the Government determines) from the work site.

Conduct

The Contractor shall monitor the performance and conduct of its personnel to assure Task Order requirements are met and host nation laws and customs are fully complied with. The Contractor shall not hire any person whose employment would result in a violation of the Executive Branch, 5 Code of Federal Regulation Part 2635(Standards of Ethical Conduct). Contractor will be required to adhere to all rules and regulations established by the local Commander. Contractor personnel will be required to abide by all clauses of General Order 1.

Background Checks

The Contractor shall be responsible for performing employment background/records checks on all Contractor employees, to include foreign nationals. The Government may also perform background/records check on Contractor employees. The Contractor shall not allow employees to perform duties under this Task Order if the check reveals sufficient derogatory information to consider that employee unfit for work in support of this Task Order. The Government reserves the right to remove any Contractor employee from performance under this Task Order, whom the Government deems to be unsuitable. The Contractor shall not allow any employee who has

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possession of or who is under the influence of alcohol or other illegal substances to perform work.

Sponsorship

The Contractor shall obtain local sponsorship as required for all personnel for the purpose of providing in-country legal representation, work visas, and resolution of other personal business or domestic matters, in compliance with host nation labor laws.

Wear of Clothing and Identification

Each Contractor employee shall wear clothing, provided by their local employer, for identification (e.g., shirt with company logo), or uniform consistent with installation/command policies, as required by the Theater Commander. Contractor employees shall wear the proper identification tags, badges, or cards to easily identify an individual's name, company, or mission at all times when on the installation. IAW DA PAM 715-16, Chapter 5-1 (Contractor Deployment Guide). See (i) Military clothing and protective equipment.

Vehicle Licensing and Operation

Contractor operated vehicles are subject to the registration and insurance requirements of the host nation. Contractor vehicles should be marked for easy identification. Contractor vehicles shall be maintained to ensure safe operation. Government reserves the right to refuse use of an unsafe or improperly maintained vehicle.

Personnel shall possess the appropriate license for operation of property and equipment (i.e., commercial or military). The Contractor shall administer the program IAW AR 600-55, Chapter 2.5 (Army Driver and Operator Standardization Program). The Contractor shall provide skilled instructors to train and test personnel in equipment operation. The Contractor personnel file should reflect all operator certifications for specific equipment.

Contractor shall provide transportation for their personnel on post; i.e., between work site, quarters, and Dining Facility.

Housing/Meals

The Government shall be responsible for providing adequate housing and meals for assigned personnel.

Medical Treatment

Medical Care and Screening. See DA PAM 716-15 chapter 8-1.

Immunizations

Medical Care and Screening. See DA PAM 716-15 chapter 4-2,d Medical Screening/processing

Field Visits

The Contractor shall coordinate all field visits (to include incoming visitors) with the COR or his/her designee and the local Commander for the site to be visited.

Employee Removal

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As directed by the PCO/COR or his/her designee, the Contractor shall remove, at no cost to the Government, any employee who, in the opinion of the PCO/COR or government entity, endangers national security.

Project Management and Supervision**General**

The Contractor shall designate in writing and submit to the COTR or his/her designee, a person to act on behalf of the Contractor for all matters relating to this Task Order. This person (or his/her designated representative) shall be on duty at the site during regular duty hours.

The Contractor shall identify in writing and submit to the COR or his/her designee, the supervisors and their back-ups, of each main function/sub-function. These individuals will be identified in the Quality Control Plan (QCP). These persons shall be on duty at site or support areas during all hours of operation. The standard for replacement of these personnel will be within a two week period of their position being vacated.

Conservation of Resources

The Contractor shall establish and maintain a resource Conservation Program for all Government furnished utilities, fuel, and other natural resources IAW DODI 4715.3 (Environmental Conservation Program). The Contractor shall comply with local command recycling and waste and debris removal policies.

Interface with Installation Staff Duty Officers.

The Contractor shall provide to the COTR or his/her designee the name, telephone number, and address of the employee(s) to be contacted during other than regular duty hours in an emergency.

Life and Logistics Support

Basic life support includes Government-controlled working and living space and accommodations, material, equipment, and services, which the Government determines that can be made available at, or through, any site where Contractor support services are performed. All Government property in the possession of the Contractor, provided for the Contractor's basic life support, shall be used and managed in accordance with the Government property clause applicable to this task order. The Government will provide the following life and logistics support consistent with the level of services available at each Contractor assigned locations IAW with applicable regulations the local Commander or as established by local policy within the Contractor's area of operations, as follows:

Life and Logistics Support

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Billeting	MWR
Food Service	Fire Protection
Mail Services (US Citizens Only)	Physical Security
Electrical	Transportation Support
Power Generation	Laundry
Waste Management/Disposal	Post Exchange/Base Exchange
Black/Gray Water Removal and Disposal	Gymnasium
Office support to include, but not limited to, office space, furniture, and supplies	Commissary
Force Protection Barriers	
Emergency Medical Care	

Force Protection

While performing duties in accordance with the terms and conditions of this PWS, the local Theater Commander will provide force protection to Contractor employees commensurate with that given to Service/Agency (e.g. Army, Navy, Air Force, Marine, and DLA) civilians in the operations area.

Special Legal

Public Law 106-523 (Military Extraterritorial Jurisdiction Act of 2000: Amended Title 18, US Code), to establish Federal Jurisdiction over certain criminal offenses committed outside the United States by persons employed by or accompanying the Armed Forces, or by members of the Armed Forces who are released or separated from active duty prior to being identified and prosecuted for the commission of such offenses, and for other purposes that apply to Contractor employees deployed OCONUS.

Planning Operations

The Contractor shall conduct management and planning functions during the course of the effort. The Contractor shall plan activities, schedule activities and milestones, report on activity and progress toward accomplishing objectives, and document the results of the project efforts.

Program Management Reviews (PMR)

The Contractor must present and administratively support monthly Program Management Reviews (PMR), unless otherwise specified by the Government. The Contractor must host monthly PMRs in a format and location mutually agreed upon by the Government and the Contractor. The Contractor's PMR agenda must include the following:

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- Project status
- Project funds status
- 60 day forecast of anticipated projects and recurring activities
- 60 day forecast of financial status
- 60 day forecast of Other Direct Costs (ODC) purchases including hardware and software
- Revisions to the organizational chart and lists of staff
- Revisions to the Program Management Plan
- Updates to the Master Program Schedule

Other

The Contractor must conduct additional status reviews as requested by the COTR or his/her designee to support the scope of the PWS. The Contractor must be prepared to support briefings and verbal discussions regarding the technical status of the PWS activities.

Optimizing the Workforce

The Contractor shall provide, manage and administer a continuing workforce optimization plan for Contractor staffing of repair and maintenance requirements. The plan will show how the Contractor plans to optimize and streamline operations when downturns and upturns in workload, manning shortfalls, increases in op tempo, project priority changes, changing levels of complexity, for both scheduled and unscheduled requirements cause an imbalance in the projected staffing level compared to the projected workload. Include identification of risk and risk mitigation techniques to show what risk might arise from the proposed optimization strategy. The Contractor should develop appropriate metrics to measure the effectiveness of ongoing optimization actions. This plan shall include the existing and proposed organization structure and identify proposed staffing changes at the labor category level. This plan shall be updated on a quarterly basis to the COTR or his/her designee for review and approval.

The contractor will include the initial plan as part of their proposal.

Common Access Card (CAC)

IAW applicable regulations, directives and policies, the Common Access Card (CAC) will be issued to DOD Contractors. All DOD Contractors are required to have the following documentation before any identification card, renewal or initial issue, can be provided:

- 1) Valid Passport
- 2) Must be registered in Synchronized Pre-deployment and Operational Tracker (SPOT)
- 3) A Letter of Authorization (LOA) with a fund citation and must be signed by a PCO
- 3) Valid Copy of the DOD Contract

Government Furnished Property/Equipment (GFP/GFE)

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FAR 45.0 Government Property (GP) shall determine the definitions, clauses, policies, and procedures for GP, unless otherwise specified in this PWS. Government Property in the possession of the Contractor shall be maintained and serviced to a fully operational state IAW DA PAM 750-8 (Army Maintenance Management System), or the manufacturer's service and maintenance recommendations, as applicable.

Operator maintenance responsibilities

The following routine maintenance activities and materials are operator responsibilities.

- a. On-site support for routine items including replenishing fuel, oil, and other vehicle fluids; replacing lamps and operator-replaceable fuses; replacing printer ink cartridges; clearing paper jams; etc.
- b. Providing consumables including, but not limited to, fuel, oil, and other vehicle fluids; lamps, fuses, batteries, wiper blades, printer ink cartridges, CDs, and diskettes.
- c. Image analysis

In the event that system specific materials are not available through the Government supply system, the contractor shall provide such items at established Federal Supply Schedule prices.

Hand Tools

Common hand tools and other commercially available tools, equipment, and information management equipment, if furnished by the Government, will not be replaced by the Government as a direct cost to the Task Order when lost, damaged, or destroyed by the Contractor due to negligence or misuse.

Property Control System

The Contractor shall be assigned property accountability and maintenance responsibility for all GFP in its possession. The Contractor shall develop or acquire a property control system to be approved by the Government Property Administrator (PA) within 90 days of the Notice to Proceed (NTP). The Contractor may use DOD Manual 4161.2-M (Manual for the Performance of Contract Administration) as a guideline for development of the property control system. Contract clause FAR 52.245-2 for Government Property will apply to firm fixed price CLINs and FAR 52.245-5 clause will apply for Government Property – Cost Reimbursement, Time and Material, or Labor Hour Contracts will apply to cost CLINs. Sensitive items shall be inventoried IAW AR 710-2 (Supply Policy below the National Level). The Contractor shall ensure the equipment's correct condition code and location are entered into PBUSE (Property Book Unit Supply Enhanced System) IAW with Army Sustainment Command (ASC) Policy 710-1. Receipt processing standard objective is one (1) day, management level is not to exceed one to three (1-3) days. Sensitive items must be processed within 24 hours.

The Contractor shall have a system to manage (control, use, preserve, protect, repair and maintain) Government Property in its possession for the accounting and requisitioning of GFP and GFE IAW FAR 52.245-1. The Contractor shall submit Defense Department (DD) Form 1662 annually to the PA for all GFP in its possession. The system shall be adequate to satisfy the

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requirements of this clause. In doing so, the Contractor shall initiate and maintain the processes, systems, procedures, records, and methodologies necessary for effective control of Government Property, consistent with voluntary consensus standards and/or industry-leading practices and standards for Government Property management except where inconsistent with law or regulation. During the period of performance, the Contractor shall disclose any significant changes to their property management system to the Property Administrator prior to implementation.

Government Property and materiel shall be acquired through the Government supply system as a first source of supply. Commercial sources of supply will be used in the event the Government supply system cannot meet mission requirements. Repair parts, for repair of GFP and Government Furnished Material (GFM), shall be requisitioned and stocked to ensure materiel is on-hand to perform required repairs for each maintenance cycle, while not tying up excessive funds in parts inventory. Contractor's property control system shall include provisions for identifying and gaining PA approval for any repair parts stocked in support of GFP and GFM. This listing shall be updated and approved on an annual basis. All acquisitions for materiel not listed on the approved listing shall be based on demand-supported requirements or one-time seasonal/special requirements approved by the PA.

The Contractor shall request Contractor Acquired Property (CAP) and Contractor Acquired Services (CAS) in writing through the contracting officer and the COTR or his/her designee for review and approval. Approval must justify that the Government cannot readily support the requirements through the national supply system, Government contracting and local purchase system, or meet "time and/or quantity availability" requirements.

Non-Tactical Vehicles

The Contractor shall be responsible for submitting all requests for new requirements or renewals for NON-TACTICAL VEHICLES (NTVs) which are either: 1) GFE being utilized by the Contractor to support missions under this PWS, or 2) Contractor Leased Vehicles, which are justified and GOVERNMENT funded under this PWS. All requests will be submitted to the COTR or his/her designee and forwarded to the appropriate approving official. Government Services Administration (GSA) vehicles will not be provided. The Contractor shall follow Army motor pool and dispatch procedures for Government-provided and Contractor-acquired vehicles. Operation of Contractor and Government operated motor vehicles shall be in accordance with Country, Theater, Installation, Command Directives, and IAW FAR 52.245-1 and 52.245-5 (Government Property).

Fuel Support

The Government will provide fuel for non-tactical wheel vehicles and equipment in the Contractor's possession to support the various missions, under this PWS. The Contractor shall display on their vehicle(s) the valid authorization authorizing them fuel support under this PWS. The Contractor shall be turned away without valid authorization or proof. Commercial (non-

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government) fuel points for contractors to obtain fuel, will be identified by the Joint Contracting Command and the COTR or his/her designee.

Inventory

The Contractor shall perform a physical annual inventory of GP beginning from date of Task Order award. Inventories shall be conducted IAW AR 710-2 (Supply Policy Below the Wholesale Level), DOD 5100.76-M (Physical Security of Sensitive Conventional Arms), AR 190-11 (Physical Security of Arms, Ammunition and Explosives), AR 735-5 (Policies and Procedures for Property Accountability), DA Pam 710-2-2 (Supply Support Activity Supply System), and FRAGO 801 to CJTF-7 OP ORD 03-036 (OIF Property Accountability Procedures). The Contractor shall certify completion of annual inventories. The Contractor shall take appropriate corrective action, coordinate with the COR or his/her designee, to correct all deficiencies identified through causative research or other audits. The Contractor shall take corrective action within 15 days from following the report date, but NLT 30 days from detection of the discrepancy, whichever is sooner.

Disposition of Government Property

The Contractor shall report and dispose of excess GFP IAW FAR 45.602-1 (Reporting, Reutilization, and Disposal) and FAR 48 Sub Part 245.6 (Reporting, Redistribution and Disposal of Contractor Inventory).

The government will provide an indoor training environment with adequate furniture, equipment and power source to support all training activities.

Supply Operations

The Contractor shall receive, inspect, inventory, preserve, pack, account for, configure/reconfigure, modify, and issue equipment and components. This also includes minimum Care of Supplies in Storage (COSIS) if/when storage time is necessary.

The Contractor shall operate and maintain the formal Government accountable records under the direction of the Government Accountable Officer (AO)/Property Book Officer (PBO), or his/her designee, for Government assets and will maintain asset visibility of these assets utilizing PBUSE/SDS/AWRDS/MWB,WEBUIT, or any other system applicable in the operating AOR IAW FAR 4.703a.

The Contractor shall ensure all applicable assets (e.g., end items, secondary loads, containers, and multi-packs) received are marked with bar code labels. The Contractor shall provide and apply Radio Frequency (RF) tags to all assets unless otherwise, as directed by the COTR or his/her designee.

The Contractor shall use the SDS/AWRDS/MWB, PBUSE, and WEBUIT to maintain retail and wholesale assets accountability, reference DA PAM 710-2-2 (Supply Support Activity Supply System), AR 710-2 (Supply Policy Below the National Level), AR 710-1(Centralized Inventory Management of the Army Supply System) and DA PAM 710-2-1 (Using Unit Supply System (Manual Procedures) and AR 725-50 (Requisition, Receipt, and Issue System). Inventory will be

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by serial number, condition code, location, and gross count to facilitate reconciling of SDS/AWRDS/MWB, and PBUSE.

The Contractor shall report any excess or unserviceable assets to the Government, as directed by the COTR or his/her designee. The Contractor shall take action, as directed by the COTR or his/her designee to include reporting excess, whether serviceable or unserviceable, to the supply system.

The Contractor shall remove RF tags on all shipments and return to the Air Field.

Maintenance Operations.**General Maintenance Requirements**

Contractor shall repair and maintain equipment submitted by the Government for either return to use, distribution for tasker, and/or placement into storage. Maintenance of materiel shall be scheduled to minimize equipment downtime and maximize readiness of the equipment.

The Contractor shall only use US passport holders with the appropriate security clearance to perform maintenance on classified equipment/sensitive items and manage classified repair parts. Due to the austere nature of the applicable AOR, the Contractor shall be required to maintain and store a large percentage of equipment and vehicles in other than fixed facilities or in the open.

It is understood that not all spare parts will be forward based in SWA and may require export from the US to SWA in order to support the repair. Upon Task Order award the contractor shall have an export license to facilitate the exportability of the Government purchased parts for the systems in SWA.

The Contractor shall be responsible for scheduling, operations, planning, execution, quality control, and documentation of maintenance actions. The Contractor shall staff and manage maintenance operations to ensure maximum production capacity by the most efficient utilization of facilities, equipment, parts, personnel, and time. The Contractor shall maintain equipment in accordance with the maintenance standard described below. The priority for work may change, based on the current tactical situation. Maximum flexibility must be maintained by the Contractor to support changing priorities, as directed by the PCO/COR or his or her designee

Maintenance Standard.

The Contractor shall ensure all equipment is maintained to Fully Mission Capable (FMC, green) condition to the Government's order; Maintenance requirements may be changed when it is in the best interest of the Government. Maintenance expenditure limits shall not be exceeded in the repair of equipment without obtaining authorization as directed by the PCO/COR or his/her designee.

ID01150008**Trained Operators.**

The Contractor shall provide trained operators that possess the required experience and provide sustainment training for personnel to support the specific types of equipment that shall be supported under this PWS. The Contractor shall make available to the Government, personnel training, and qualification records.

Technical Library/Publications

The Contractor shall ensure that individual work sites are provided the most current reference materials for each end item of equipment.

Warranty Items

The Contractor shall maintain records and status of all equipment out-of-warranty. The contractor shall not sustain any equipment in warranty under this PWS.

The Contractor shall provide a daily status report. The contractor supervisor will oversee the Contractor personnel's time spent on all work.

Quality Assurance (QA) / Quality Control (QC) Operations.

The Contractor shall employ an ISO 9001:2000 comparable quality system for each of the major functional areas. In addition to the quality program elements of ISO 9001:2000, the plan shall contain a description of the methods of direct and indirect communication with the Government.

The Contractor shall provide personnel that possess the required experience, and provide annual training for the personnel to support the specific types of equipment and missions under this PWS. The Contractor shall maintain on-site, and make available to the Government, personnel training and qualification records.

The Contractor shall ensure that QA procedures are in use throughout all aspects of the supply, maintenance, and transportation operations to verify compliance with existing technical and regulatory guidance for repairing and maintaining items. The contractor has no responsibility or authority for systems transported by the military.

The Government staff has the right to inspect and test all equipment and services within this PWS. Designated Government personnel will perform QA inspections.

The Government staff shall perform inspections and tests in a manner that shall not unduly delay the work.

All examinations or tests performed by the Contractor shall be subject to Government QA surveillance. The Government shall verify actions taken by the Contractor through visual monitoring, documentation review, and/or hands-on inspections and process/product audits. Government QA inspections shall be conducted at various stages of all operations.

Safety Operations.

Safety Program

The Contractor shall implement and maintain a safety program for preventing accidents and preserving the life, safety, and health of both Contractor and Government personnel and equipment involved in the performance of this PWS or receiving services provided under this Task Order. Upon award, contractor shall submit program plan to the COTR or his/her designee for approval. The Contractor shall be responsible for the safety and health of his or her employees and protection of the public at the Contractor work sites. The US Army Commander's designated Safety Occupational Health Official(s) will conduct oversight of Contractor operations to help ensure the safety of DOD-owned equipment; protection of the production base; protection of Government property and on-site DOD personnel from accidental losses; and the protection of the public. The above program shall also address ammunition and explosives safety. It shall comply, as a minimum, with DOD Instruction 4145.26M, DOD Contractors Safety Requirements for Ammunition and Explosives, July 1997 and DODI 6055.1 the DOD Safety and Occupational Health Program.

General

Contractor is responsible for providing appropriate industrial safety equipment, training and procedures for his own employees.

In concert with implementation of the Contractor's safety program, the Contractor shall:

- Appoint a trained safety officer to administer the program.
- Comply with all federal, host country, US Army, and local command directives and regulations that pertain to safety, health, and fire prevention. Contractor shall insure inspection, compliance and verification of all load testing on Material Handling Equipment / Construction Handling Equipment, jack stands, lifts etc.
- Immediately report to the COTR or his/her designee all available facts relating to each incident of damage to GP material, any occupational illness or injury to Contractor or Government personnel, any injury or illness to a member of the general public resulting from Contractor operations, or any damage to property belonging to a member of the general public.

The Contractor shall report all lost, damaged, or destroyed GFP/GFE to the COR or his/her designee and the PA within 24 hours. Report serious damage immediately, IAW DOD 4161.2-M, paragraph C2.5.4.1. (Manual for the Performance of Contract Administration). The data requirements of DOD Manual 4161.2-M, paragraph C2.5.4.2 shall be used to develop the report. The procedures for this report shall be contained under the functional area of "Property Management" in the Contractor's approved Property Control System.

The Army shall immediately secure the accident area and wreckage and not permit any movement of evidence until permission to do so is granted by the accident investigation authority, COR or his/her designee and the local Commander. Notification of release of equipment by the investigative authority will be furnished through the COR or his/her designee. In securing the area, the Contractor shall take measures to prevent further injury to personnel or damage to property.

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In the event of any accident causing injury or property damage, the Contractor shall notify the COTR or his/her designee immediately in writing within 24 hours. The Final Investigative Report is to be submitted NLT 30 days from the date of the accident IAW DA PAM 385-40 (Army Accident Investigation and Reporting). All reports will be completed using a DA Form 285-AB-R. If completion of all factual findings cannot be accomplished within that period, the Contractor may request an extension from the COR or his/her designee.

The Contractor shall cooperate fully and assist Government personnel during the accident investigations.

The Contractor shall cooperate with military officials to investigate accidents in order to determine the causes and formulate corrective actions to prevent recurrence. The PCO/COR and his or her designee of the results of such investigations.

The Contractor shall immediately identify to the Government any safety hazards for which the Contractor contends it is not contractually bound to correct.

The Contractor shall not accept hazardous materiel shipments unless accompanied by Materiel Safety Data Sheets (MSDS). The MSDS must be already on-hand, or it is readily available on the internet. The only exception to this is if non-acceptance of the shipment would create a life-threatening emergency.

The Contractor shall obtain and maintain current copies of the MSDS for all hazardous materials being used.

The Contractor shall maintain MSDSs in each workplace/work-site for the hazardous materials used in that particular workplace/work-site.

Provide to the COR or his/her designee a complete set of MSDS and update as required.

Contractor employees can be provided personal protective clothing and equipment (PPE); which includes Nuclear, Biological, and Chemical (NBC) defensive equipment, if required by the Theater Commander. These items will only be issued at the deployment processing centers, and will be based on the specific circumstances of the deployment for duties to be performed. The Government will ensure that Contractor personnel are trained and knowledgeable in the correct wearing of all required PPE, and will maintain written documentation of this training per 29 CFR 1910.132.G.7. An authorized list of Organizational Clothing and Individual Equipment (OCIE) may be found in DA PAM 715-16, Appendix B. Additionally, the Government may require reimbursement if issued clothing or equipment is lost or damaged.

The Contractor shall perform a hazard assessment of each workplace IAW CFR 1910.132 to determine if hazards are present, or likely to be present, which necessitate the need to identify and provide needed personal protective equipment. Hazard assessments shall be accompanied by a Risk Assessment completed IAW DA guidelines (for example, see DA PAM 1715-16). Copies of the assessment shall be forwarded to the COTR or his/her designee.

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At a minimum, the Contractor shall perform and record daily safety inspections of all work areas. The Contractor shall immediately correct any deficiencies, unless corrective action is outside the responsibility of this PWS. In these instances, the Contractor shall immediately report such deficiencies to the COTR or his/her designee and also notify the Theater safety Office. The Contractor, in conjunction with the Government, shall take all necessary steps to mitigate the hazard until permanent action can be taken to resolve the deficiency.

Contractor shall immediately notify the COR or his/her designee in the event any munitions or explosives are found in the vehicles at any time.

During extended operations, the Contractor shall have a certified safety representative on-duty to monitor operations.

Security Operations.**General.**

Contractor employees shall comply with the Installation Commander's security direction and regulations.

Contractor personnel who have access to or who generate secured information shall be required to have a secret security clearance. The Security Officer shall provide a DD Form 254, Department of Defense, Contract Security Classification Specification.

The Contractor shall provide security of its own property and equipment as well as assigned facilities, Government Furnished Property (GFP) and Government Furnished Equipment (GFE) stored inside and outside areas.

Classified Information

Any information concerning the current or projected location, condition, mission, vulnerabilities and operating military force(s) for the systems maintained under this Task Order shall be classified SECRET. All other aspects of this Task Order are considered UNCLASSIFIED.

The Contractor shall submit all requests for security investigations required for personnel assigned to positions whose duties require favorable completion of such an investigation. Approvals must be received prior to assignment to OCONUS AO.

APPENDIX A

Deployment Information/Responsibilities

During contingency deployments, most military, DOD civilians, and Contractor personnel shall live under field conditions. Field conditions are characterized by austere and communal living and working conditions and 24 hour a day, 7 days a week operation. Contractor employees will probably experience a general lack of privacy and little time for recreation. Housing usually will be in large communal tents with cots. Food may be pre-packaged rations such as MREs, so there may be no provision for special diets. Showers, if available and latrines may be primitive and communal. Telephone and laundry service may not be available and mail may be delayed. Generally, Contractor employees' living conditions, privileges and limitations will be the same as the units they support.

a. Individual Deployment Site (IDS). The Army has established sites in CONUS to prepare individuals for overseas deployment. The Government will provide Letters of Invitation for Contractor personnel to process through the IDS.

(1) The IDS will screen personnel records, conduct theater-specific briefings and training, provide standard identification cards, verify medical requirements have been met (including shots, DNA sampling, Human Immunodeficiency Virus testing (if required), and dental examinations), issue OCIE (field gear), and issue Chemical Defense Equipment (CDE).

(2) Mission Training. The IDS will conduct mission training (typically five days) to provide personnel with a basic knowledge of what they can expect once they arrive in the theater of operations. Training will cover the current/projected political and intelligence situation, the Geneva Convention, Code of Conduct, health and sanitation, customs and courtesies for the area of deployment, and the applicable Status of Forces Agreement (SOFA).

(3) While processing at IDS, the Government will provide lodging (open bay barracks), and allow access to the dining facility, but will charge a nominal fee for meals. The Government will provide for transportation from Home Station to the IDS. The IDS will arrange for transportation into theater once processing is completed.

(4) The Government may require personnel designated to fill deployable positions to undergo IDS processing prior to contingencies arising in order for them to be available for immediate deployment. If advance deployment processing occurs, individual OCIE and CDE will be stored at Home Station for issue on deployment notification. The Contractor shall recover and turn-in all Government equipment issued to Contractor personnel who terminate their employment. The Contractor shall make deployable personnel available for annual readiness checks and training at the IDS, and shall minimize personnel turnover. The Government may require reimbursement to process replacement personnel through the IDS if high turnover rates occur.

(5) Return Processing. On completion of the deployment, the Government will provide transportation for Contractor employees from the theater of operations back to the IDS for out-processing. Contractor personnel shall return all clothing and equipment that was issued, and may be debriefed and/or receive medical screening as necessary. Lost, damaged or destroyed clothing and equipment will be accounted for, and the Contractor may be asked to reimburse the Government for loss due to negligence. The government is responsible for the return transportation of its employees from the IDS.

b. Medical Care and Screening. Fitness for Duty and Limits on Medical/Dental Care in Iraq.

c. Command and Control. The respective employer performs supervision of Contractor personnel. The Government exercises indirect command and control through the Task Order performance work statement and modifications. Contractor deployed individuals must adhere to the conditions of the Task Order and instructions, and General Orders issued by the Theater Commander or his representatives. All instructions and General Orders issued by the Theater Commander which would require contractual changes must be addressed or directed to the contracting officer for this Task Order. The Logistics Support Element will administratively account for Contractor personnel. Military instruction and guidance is issued based on the need to ensure mission accomplishment, personal safety and unit cohesion.

d. Captivity, Hostile Detention and Prisoner of War Status. Contractor employees accompanying US Armed Forces shall be subject to hostile fire incidental to attacks on military objectives. If captured, a contract employee's status will depend on the type of conflict, applicability of international agreements and the nature of the hostile force. Contractor personnel will be briefed on applicable protections and techniques for handling captivity situations as part of the IDS deployment processing where a Geneva Convention Identity Card will be issued.

e. A SOFA is an international agreement between governments that establish various privileges, immunities and responsibilities, including individual rights and responsibilities. The US does not have a SOFA with every country, and some SOFAs do not extend the same protection to Contractor employees as they grant to Government and military personnel. Contractor employees may or may not be subject to criminal and/or civil jurisdiction of the host country where they are deployed. The IDS processing will include SOFA instruction.

f. Pay, Health and Life Insurance. The Government is not a party to these employee-employer contract issues. Contractor employees aren't entitled to receive any pay directly from the Government, nor does the Government have any obligation to provide any health or life insurance. Be aware that many health and life insurance policies contain "war risk" clauses that may void benefits for personnel deployed overseas.

g. Chemical Defensive Equipment (CDE) Issue/Training. The Theater Commander will determine the requirement for equipping Contractor personnel with chemical protective gear. If these items are issued, IDS will provide theater specific familiarization training that will orient on the anticipated threat. Personnel are absolutely forbidden from possessing privately owned weapons and ammunition.

h. Passports/Visas. Contractor employees shall carry a valid passport at all times when deployed and traveling overseas in support of military operations. The Contractor shall ensure that all deployable personnel obtain a passport immediately after task order award. The requirement for visas varies depending on the area of operations. The Government will give the Contractor as much advance warning as possible concerning the need for visas. Applications for, and the cost of, passports and visas are the responsibility of the Contractor.

Other Task Order Requirements and Information

Electronic Invoicing Process (January 2014)

GSA employs Electronic Commerce in Contracting to the maximum extent practicable. Contractors shall use the GSA VITAP System at <https://finance.gsa.gov> and the GSA Assisted Acquisition Service Business System (ASSIST) also known as IT-Solutions Shop (ITSS) at <https://portal.fas.gsa.gov> to submit invoices.

- (1) Immediately upon award of the contract, the contractor shall register with the General Services Administration, Office of the Chief Financial Officer VITAP System at <https://finance.gsa.gov>.
- (2) Once registered in VITAP the contractor may invoice against the Task Order. For each invoice, the contractor shall complete the required fields provided in VITAP and may attach a copy of the invoice. Assistance using the finance.gsa.gov website (VITAP) and answers to related questions may be obtained via email at FW-ClientServices@GSA.Gov or by calling (800) 676-3690, Option 3.
- (3) After submitting the electronic invoice in VITAP, the contractor shall complete an Acceptance Document in the GSA Assisted Acquisition Service Business Portal (ASSIST). Assistance using ASSIST and answers to related questions may be obtained via email at AASBS.helpdesk@gsa.gov or by calling (877) 472-4877
- (4) The Acceptance Document will include all active Task Items on the task order. The contractor shall enter the invoice amount in dollars and cents for each Task Item. Prior to submitting the Acceptance Document in ASSIST, the contractor shall ensure the invoice number and invoice amount in dollars and cents entered in VITAP matches the invoice number and invoice amount in dollars and cents entered in the Acceptance Document in ASSIST.
- (5) Additional instructions may be provided by the Contracting Officer, Contracting Officer's Representative, or the Customer Account Manager, immediately following the award of the Task Order or during contract administration to further enhance the use of Electronic Commerce in Contracting or to ensure compliance with GSA or GSA Customer Agency requirements or policies.

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(c) A proper invoice includes, at a minimum:

- (1) Name of the business concern, address, and telephone number
- (2) Invoice date

- (3) Invoice number
- (4) Task Order and Contract Number
- (5) Task Order Number and any other authorization for delivery of property or services
- (6) Accounting Control Transaction (ACT) number
- (7) Item Number, National Stock Number (NSN) or other product identification number, description, price, and quantity of property or services actually delivered or rendered
- (8) Breakout of costs by CLIN
- (9) Shipping and payment terms
- (10) Name (where practicable), title, phone number, and complete mailing address of responsible official to whom payment is to be sent. The "remit to" address must correspond to the remittance address in the Contract.
- (11) Information necessary to enable the Government to make payment by wire transfer shall be furnished in accordance with the Method of Payment clause of this Contract
- (12) Cumulative amount invoiced from start of current option period
- (13) Cumulative percent invoiced from start of current option period.

C. Data Rights. Government Purpose Rights (GPR) shall apply to all data pursuant to services and deliverables provided under this order.

D. Acceptance. The COR will perform inspection and acceptance. The contractor will review data items for quality and compliance prior to acceptance.

E. Responsibilities. Any personnel issues of other than a technical nature shall be forwarded to the Contracting Officer. No person other than a GSA Contracting Officer may change any term or condition of the Order.

Solicitation Provisions and Clauses

In accordance with OASIS contract section I.1, all *Applicable* and *Required* provisions/clauses set forth in FAR 52.301 automatically flow down to all OASIS task orders, based on their specific contract type (e.g. cost, fixed price etc), statement of work, competition requirements, commercial or not commercial, and dollar value as of the date the task order solicitation is issued.

Agency specific provisions and clauses. The following provisions and clauses apply to this task order:

FAR Clauses	Description	Date
52.225-19	Contractor Personnel in a Designated Operational Area or Supporting a Diplomatic or Consular Mission Outside the United States	MAR 2008
52.228-3	Defense Base Act	APR 1984
52.242-15	Stop Work Order	AUG 1989
52.242-15 ALT 1	Stop Work Order	APR 1984
52.237-3	Continuity of Services	JAN 1991
52.243-1 Alt II	Changes-Fixed Price (ALT II)	APR 1984
52.245-1	Government Property	AUG 2010
52.246-2	Inspection of Supplies – Fixed Price	AUG 1996
52.246-4	Inspection of Services – Fixed Price	AUG 1996
52.246-16	Responsibility for Supplies	APR 1984
52.247-29	F.O.B. Origin	FEB 2006
52.247-34	F.O.B. Destination	NOV 1991
52.249-2	Termination for Convenience of the Government (Fixed Price)	MAY 2004
52.249-8	Default (Fixed Price Supply & Service)	APR 1984
52.249-14	Excusable Delays	APR 1984
52.251-1	Government Supply Sources	AUG 2010

DFAR Clauses		
252.201-7000	Contracting Officer's Representative	DEC 1001
252.203-7001	Prohibition on Persons Convicted of Fraud or Other Defense-Contract-Related Felonies	DEC 2008
252.203-7002	Requirement to Inform Employees of Whistleblower Rights	JAN 2009
252.204-7000	Disclosure of Information	DEC 1991
252.204-7003	Control of Government Personnel Work Product	APR 1992
252.204-7005	Oral Attestation of Security Responsibilities	NOV 2001
252.205-7000	Provision of Information to Cooperative Agreement Holders	DEC 1991
252.209-7004	Subcontracting with Firms that are owned or Controlled by the Government of a Terrorist Country	DEC 2006
252.211.7003	Item Identification and Valuation	JUN 2011
252.215-7000	Pricing Adjustments	DEC 1991
252.215-7002	Cost Estimating System Requirements	DEC 2006
252.222-7002	Compliance with Local Labor Laws (Overseas)	JUN 1997
252.223-7004	Drug Free Work Force	SEP 1988
252.223-7006	Prohibition on Storage and Disposal of Toxic and Hazardous Material	APR 1993
252.225-7040	Contractor Personnel Authorized to Accompany U.S. Armed Force Deployed Outside the United States	JUL 2009
252.225-7043	Antiterrorism/Force Protection Policy for Defense Contractors Outside the United States	MAR 2006
252.225-7995	Contractor Personnel Performing in the U.S. Central Command Area of Responsibility (Deviation 2011-000004)	APR 2011

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252.225-7997	Additional Requirements and Responsibilities Relating to Alleged Crimes by or Against Contractor Personnel in Iraq and Afghanistan (Deviation 2010-O0014)	AUG 2010
252.227-7013	Rights In Technical Data-Noncommercial Items	NOV 1995
252.227-7015	Technical Data-Commercial Items	NOV 1995
252.227-7026	Deferred Delivery of Technical Data or Computer Software	(APR 1988)
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	MAR 2008
252.232-7008	Assignment of Claims (Overseas)	JUN 1997
252.232-7010	Levies on Contract Payments	DEC 2006
252.233-7001	Choice of Law (Overseas)	JUN 1997
252.237-7019	Training for Contractor Personnel Interacting with Detainees	SEP 2006
252.243-7001	Pricing of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	MAR 1998
252.244-7000	Subcontracts for Commercial Items and Commercial Components (DoD Contracts)	NOV 2010
252.246-7004	Safety of Facilities, Infrastructure, and Equipment for Military Operations	OCT 2010

REPRESENTATIONS AND CERTIFICATIONS OF OFFERORS

See FAR Clause 52.212-3 (Offeror Representations and Certifications – Commercial Items)(NOV 2013) for submission requirements.

Proposal Preparation and Submission

PROVISIONS INCORPORATED BY REFERENCE

52.212-1, Instructions to Offerors—Commercial Items (June 2008) Addendum to FAR 52.212-1:

52.217-5, Evaluation of Options (Jul 1990)

Offerors are to provide information on problems encountered on the contracts identified in their past performance submissions and corrective actions for problems noted.

The Contracting Officer may be limit the competitive range for purposes of efficiency, to the greatest number that will permit an efficient competition among the most highly rated proposals

PROPOSAL SUBMISSION REQUIREMENTS

Request for Clarification. All requests for clarification and questions are due by May 18, 2015 2:00 p.m., Eastern Standard Time. Questions will be answered if determined by the CO to be in the best interests of the Government. Requests shall reference the solicitation number. Requests shall be submitted by e-mail to Siobhan Frongillo, Contracting Officer, e-mail: Siobhan.Frongillo@gsa.gov with a copy to Lorraine.lafluer@gsa.gov. No verbal inquiries will be accepted. No question of any nature or form can be directed to technical personnel. Any additions, deletions, or changes to this solicitation will be made by amendment to this Request for Proposal. Each amendment will be identified by number, and receipt thereof shall be acknowledged by each Offeror.

Proposal Format and Submission Instructions. Offerors desiring to be considered for award of this Task Order shall submit a proposal. The Proposal shall consist of three (3) separately presented volumes: Volume I Technical Proposal, Volume II Experience/Past Performance, Volume III Price in accordance with the requirements of the solicitation.

Proposals are due by 2:00 p.m., **Eastern Standard Time, on June 8, 2015.** Submission of a proposal electronically via email to Siobhan.frongillo@gsa.gov with a copy to Lorraine.lafluer@gsa.gov indicates the Offeror's acceptance of the terms and conditions of the proposed contract. The proposal shall be executed by a representative of the Offeror authorized to commit the Offeror to contractual obligations and shall be submitted in an electronic format compatible with Microsoft Office 2007 or 2010.

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Each Offeror assumes full responsibility for ensuring that its proposal is received at the addresses designated above on or before the specified date and time.

Proposal Arrangement: Each proposal shall consist of three (3) physically separate volumes; each individually titled and numbered as stated below:

Volume No.	Volume Title	Number of copies
I	Technical Proposal	One
II	Experience/Past Performance	One
III	Price Proposal	One

Note: Volumes I, II and III are to be individually and clearly labeled externally as to their contents (i.e., Volume I, Volume II and Volume III). **Prices and dollar values shall be stated only in the Price volume.** Proposal Volumes shall be labeled for ID01150008.

Offerors are cautioned to make their initial offer their best offer. In accordance with FAR 52.212-1(g) the Government intends to award on the basis of initial offers, but reserves the right to conduct discussions if determined by the Contracting Officer to be necessary.

TECHNICAL PROPOSAL – VOLUME I

The offeror shall submit a Technical Proposal containing the following:

The proposal must contain a description of the services necessary to complete the requirements of this acquisition and is not to exceed 25 pages (excluding resumes). This description will become part of the Task Order. In the technical volume technical evaluation criteria are listed in descending order of importance

The Technical Volume shall contain the following two sections: (1) Introduction; (2) Technical Solution;

1. Introduction

- a. table of contents;
- b. title page identifying the offeror and solicitation number;
- c. brief introduction and summary of the requirements; and,
- d. signature of an official with the capacity and authority to bind the offeror.

2. Technical Solution

a. Management Approach

The offeror shall demonstrate its ability to provide support which ensures continuous and total performance, successful and timely completion of tasks and product quality and usefulness including: staff organization and approach to assigned tasks, management procedures to ensure timely and quality products, daily and monthly reporting requirements, internal review procedures, handling of action items and personnel training, procedures/policies to minimize labor and travel cost while placing maximum emphasis on personnel retention to control overall costs. The offeror shall describe its organizational and management structure, including major subcontractors specifically to meet the requirements of the PWS applicable to this acquisition. The offeror shall discuss how each of the proposed subcontractors was selected, and the role intended for each. In describing the management structure, the offeror shall include (i) responsibilities, lines of authority, and span of control, (ii) flow of information among the offeror's teams and organization, and (iii) interface and communication among the contractor/subcontractor team, requiring activities, and external organizations. Furthermore, the offeror shall discuss its management methodologies, corporate resources to meet the size and scope of this effort.

b. Technical Approach

The offeror shall demonstrate a sound technical approach, including a thorough understanding of the technical requirements. The offeror shall explain its understanding of all requirements of the PWS and approach to meeting these requirements. Specific to this requirement, shall provide all necessary labor, materials (e.g. spare parts and manuals), equipment (e.g. tools and testing equipment), disposal, transportation, training, sensor communication, and supervision as described in this Performance Work Statement (PWS) for installation, sustainment, monitoring, and refurbishing of the Rapid Reaction Tunnel Detection (R2TD) systems deployed in South West Asia for U.S and Coalition forces. Each Regional Command (RC) shall have a FSR team lead that reports directly to the deployed Government (JPMG) Personnel, how the solution set will reduce life cycle cost and benefit the Government. The offeror shall provide a comprehensive organizational plan for execution of the tasks.

c. Staff Qualifications

For Staff Qualifications of *Proposed Key Personnel, and all other labor proposed personnel, the offeror shall submit resumes (along with signed letters of intent) for all proposed technical personnel (administrative staff excluded).

The resumes shall state the name and position currently held by the individual, his/her responsibilities, total years at the position held, brief

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description of education, experience, accomplishments, and at least three references.

The offeror shall provide resumes for only those personnel for whom the offeror can make a firm commitment to this solicitation. Any uncertainties and/or part-time staff assignments shall be clearly identified.

For verifications purposes, resumes shall include all relevant dates and the names, addresses, and telephone numbers of all educational institutions, employers listed, and references.

d. Contractor Quality Control Plan

EXPERIENCE/PAST PERFORMANCE PROPOSAL- VOLUME II

The offeror shall provide Contractor Performance Reports for no more than three projects completed within the past five years which are similar in size and scope to this order. There is no specific format for past performance information but each summary shall not exceed a total of three pages. A template is provided for convenience.

The Project Summaries shall include the following information:

- a. Name of the Project
- b. Contract Number
- c. Value of the Contract
- d. GSA Task or Delivery Order Number, if applicable
- e. Name of the Customer Agency or Client
- f. The Resources and Cost expended
- g. Period of Performance
- h. A brief description of the scope of work and relevance to these requirements
- i. The name, address, telephone number, and email address of the Government Contracting Officer
- j. The name, address, telephone number, and email address of the Government COTR (or if citing non-Government example, use customer POC), and
- k. Identify and discuss the involvement on the historical tasks of the key personnel that are being proposed for these requirements.

A statement stating "No relevant past performance information is available" shall be stated if no Past Performance information is provided in accordance with the previous paragraph. Offerors with no relevant past performance history will not be evaluated favorably or unfavorably under this criterion, in accordance with FAR 15.305(a)(2)(iv).

An offeror established within the past eighteen (18) months may submit past performance information for contracts performed by its corporate management to

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supplement past performance of the offeror generally. Offeror shall specifically note providing this information in its technical proposal.

PRICE PROPOSAL – VOLUME III

The offeror's price proposal shall include spreadsheets in accordance with the tables in section B and Attachment #1 Ancillary Equipment and the solicitation requirements, with all appropriate prices and costs incorporated. Offeror should provide cost and price data to support its proposed pricing.

By submitting a proposal, the offeror agrees to hold firm the prices in its proposal for 60 calendar days following the proposal due date. Offerors must include their travel burden rate, even if 0%, in their price proposal.

If the offeror is proposing a Contractor Team Arrangement in accordance with Federal Acquisition Regulation (FAR) Subpart 9.6, it shall clearly indicate whether the Past Performance Evaluations provided in accordance with the above were for projects completed by the same Team. If the proposed Team has not performed together in the past, then separate Past Performance Evaluations for each Team Member (3 each in accordance with the above) are required.

In the case of an Offeror without a record of relevant past performance or for whom information on past performance is not available, the Offeror may not be evaluated favorably or unfavorably on past performance. The Offeror, however, must affirmatively state this in its proposal to identify the status to GSA.

The Government reserves the right to verify past performance evaluations by reviewing PPIRS or other Government appraisal systems. The Government may also check any cited references to verify supplied information.

The Government is not limited to the evaluations provided. Any additional sources of information concerning the offeror's past performance which the government becomes aware of can be considered in the evaluation of the contractor's past performance.

NOTE TO OFFERORS REGARDING PRICE:

Offerors are cautioned that any offer may be rejected as non-responsive if it is materially unbalanced as to the prices for the options and the initial Task Order period. An offer is unbalanced when it is based on prices which are significantly less than cost for some work and prices which are significantly overstated for other work.

Evaluation Factors and Basis of Award**EVALUATION – COMMERCIAL ITEMS (FAR 52.212-2) (JAN 1999)**

(a) The Government will award one (1) Task Order resulting from this solicitation to the responsible offeror whose offer conforms to the solicitation and will be most advantageous to the Government, price and other factors considered. The following factors shall be used to evaluate offers:

- Technical
- Experience/Past Performance
- Price

(a) Evaluation factors other than price, when combined, are approximately equal to price. Technical evaluation criteria are listed in order of priority. As technical proposals become more equal in merit, price becomes more important.

(b) **Options.** The Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. The Government may determine that an offer is unacceptable if the option prices are significantly unbalanced. Evaluation of options shall not obligate the Government to exercise the option(s).

(c) A written notice of award or acceptance of an offer, mailed or otherwise furnished to the successful offeror within the time for acceptance specified in the offer, shall result in a binding contract without further action by either party. Before the offer's specified expiration time, the Government may accept an offer (or part of an offer), whether or not there are negotiations after its receipt, unless a written notice of withdrawal is received before award.

Evaluation Factors/Subfactors

EVALUATION – COMMERCIAL ITEMS (FAR 52.212-2) (JAN 1999)

The Government will evaluate the offeror's proposal to determine how well it meets the Government's requirements. Technical evaluation is based on how well the technical proposal addresses each of the following evaluation factors. Technical factors are listed in descending order of priority as they shall be in the solicitation.

Factor 1: Technical Solution (sub-factors are listed in descending order of Priority)

- a. Management Approach
- b. Technical Approach
- c. Staff Qualifications
- d. Quality Assurance Plan

The Technical Solution will be evaluated as an indicator of the Offeror's overall understanding of the solicitation requirements and successfully manage all facets of the requirements.

Factor 2: Experience/Past Performance

Past performance is a measure of the degree to which a Contractor satisfied its customers in the past and complied with Federal, State, and Local laws and regulations.

Experience:

- (a) Experience will be evaluated as an indicator of the offeror's ability to perform the Contract contemplated by this Solicitation.
- (b) Experience will be evaluated on the basis of information submitted by the Offeror indicating completion of similar projects. If the offeror materially misrepresents information relating to its experience, the Contracting Officer may reject the proposal.

Past Performance:

- (a) Past performance will be evaluated as a predictor of the offeror's compliance with contract requirements and overall quality of performance.
- (b) Past performance will be evaluated on the basis of information received by the Contracting Officer concerning the offeror's performance on other contracts, including information not submitted by the offeror. If the Contracting Officer becomes aware of required past performance information omitted from the offeror's proposal, the Contracting Officer may draw a negative inference from the omission of such information.

Factor 3: Price**Price Reasonableness**

All offers must include reasonable prices. The Contracting Officer may reject all offers containing prices determined to be unreasonably high or low.

Unbalanced Prices

All offers must include balanced prices. If this Solicitation requires unit prices or option prices, the Contracting Officer may reject any proposal determined to be unbalanced with respect to such prices or rates. A proposal may be deemed unbalanced if the Base Task Order Price, unit prices or option prices vary so markedly from either the Government estimate or the range of such prices contained in competing offers as to materially reduce the effectiveness of the Total Evaluated Price formula in determining the potential cost of an offer in comparison to other, balanced, offers.

Ancillary Equipment List
Attachment #1

R2TD Standard Equipment List

Kit Type / Item #	Components	Subcomponents	LIN	MCN	QTY per Kit
A KIT			FA951Z	589501X003075	
1.1	TRANSCEIVER		FA 2015	582001X003304	1
1.2	SERVER RACK AND ELECTRONICS		70323N	702501C172335	1
		2.4 GHz CPU			4
		4 GB (DDR3 1333 MHz) Memory			12
		24 GB GB DDR Memory			2
		DVD RW Drive			2
		Motherboard			2
		Rail Kit			2
		Graphic Card			2
		Network Card			2
		6U Server rack			2
		6U Rack Filters			20
		Cage Nuts and Screws - (24 ct)			1
		12-Outlet Heavy Duty Surge Protector (8ft)			2
		25 ft Indoor / Outdoor extension cord - 15A			1
		USB Optical Mouse			1
		USB 104 Keyboard			1
		27" Monitor			2
		20 ft DVI Dual link TDMS cable DVI-D M/M			2
		20 feet hi-speed USB 2.0 A-male to B-male cable			2
		SATA Hard Drives, 2TB 64MB			20
		Fixed Rack Shelf			1
		Handheld GPS Navigator			1
		GPS Master NTP Time Server			1
		50 Foot CAT5E Ethernet cable			2
		6 foot CAT 5 Ethernet cable			8
		NTI Folding VGA monitor Rackmount KVM Drawer			1
		NTI Male 15-pin HD to Male 15-pin HD			2
		Drive box Anti-static drive case for bare 3.5" drives			2
		6" x 8" Metalized Anti-Static bags (10 Pack)			2
		SATA / USB 2.0 to SATA Drive Duplicator Dock 22RE			2
		Fusion Splicer Kit w/ Cleaver			1
		Flex Tester 1310/1550/1625nm			1
		Wall Mountable Splice Housing			1
		Wall Mountable Closet Housing			1
		8.0 mrt (26.24 feet) E2000 APC to E2000 APC (Angle Polish) SIMPLEX Fiber Cable			4
1.3	R2TD COP SERVER		70323N	702501C917322	1
		35U Rack* (See technical specifications)			1
		Sliding Shelf 27" deep - Computer rack			1
		RAID Controller server			2
		RAID Disk Array (Direct attach storage)			2
		Rack Mount - Room Alert environmental monitor (w / 20 gauge nuts)			1
		KVM Cables, 10 ft molded USB cable			8
		Console KVM Switch, 8 port, net direct, rack mountable, in 1 IU draweer, with 17" LCD			1
		Data processor, configured as: AOC, TADS Data Processor1, TADS Data Processor 2, and a spare HDD			4
		Base Unit - Quad Core Xenon Processor 2 x 6MB Cache, 2.66GHz, 1333 MHz FSB PE R710			1
		Universal Sliding rail / Versa Rails w/ Cable Mgmt Arm			1
		Electric Doc and Open manage CD Kit			1
		Keyboard USB Black			1
		Optical Two-button mouse			1

Ancillary Equipment List
Attachment #1

		Redundant Power supply with Y cord			1
		16 GB 667MHz (8X2GB) Dual ranked DIMMS			1
		Processor; Quad Core Xeon E5430 Processor 2X6MB cache, 2.66Ghz, 1333MHz, FSB PE2950			1
		1x6 Backplane for 3.5" HDD			1
		Bezel for PE R710			1
		Remote Access, 5th GEN for PowerEdge Remote Mgmt			1
		24 x DVD ROM			1
		Riser w/ 3 PCIe Slot for powerEdge 2950			1
		750 GB 7.2K RPM Universal SATA 3 Gbps 3.5" Hotplug HDD incl shelf and interposer			1
		Integrated SAS/SATA RAID 5, PERC 6/I Integrated			1
		PERDC6i SAS RAID Controller 2 x 4 Connectors, Int, PCIe, 256MB cache, x 6 Bkpl			1
		No OS			1
		Onboard Broadcom 5708 1 GBE Networking			1
		LOM NICs are TOE ready			1
		Enterprise Network Security			1
		Rack Mounting Kit for Network Security			1
		Ethernet cable 3'			2
		Ethernet Cable 6'			5
		Ethernet Cable 8'			1
		Ethernet Cable 25'			1
		Powerstrip 6 outlet			1
		12 outlet Powerstrip capable of inside rack mounting, 5 feet long			1
		UPS 6kVa, on-line double conversion, 9U Rack Tower 120/208V, hot-swap power and battery modules, RS232 ports, front panel LED, hardwire 50/60 Hz			1
		Velcro 1/2"			1
		Mount, Saddle Tie (Box of 25)			1
		Zip Ties, 4" long (box of 25)			1
		Ethernet Switch E/O -208E			1
		Analyst desk top computer station (incl: speakers, keyboard, mouse, 3.1 GHz Processor, 2 GB RAM, graphic card, 250 GB HD HD, 22" Dual Flat panel DVI monitor and DVDRW drive)			1
		R2TD COP Software (furnished by ERDC)			1
1.4	TRICON #1 (operations)		WE456P	814501C110173	1
1.5	TRICON #2 (operations)		WE456P	814501C110173	1
1.6	FIBER OPTIC CABLE (5km reel)		NA	NA	3
1.7	60 kW GENERATOR, Military Diesel / JP8		G12034	NA	2
1.8	5 kW GENERATOR, Tactical Quiet		Model #88-802R	NA	1
		incl: Trailer Model #LTT-TQG (for mounting)			1
1.9	Operational Software (Government Furnished Item)		NA	NA	1
1.10	Handheld GPS		FA201Y	582001D171313	1
1.11	Optical time-domain reflector (ODTR) + Splice Kit		FG251N	662501K000848	1
		ADC-13 AC Adapter			1
		ACC-14 AC Cord			1
		Spare Electrodes			1
		Shealth Clamp			1
		USB cable			1
		Splicer Carrying Strap			1
		Fusion Splicer - Quick Reference Guide			1
		Video Instruction Manual			1
		JP-05 Splice Sleeve Cooling Tray			1
		Transit case			1
1.12	Fixed Camera		FH1048	671001C102424	6
		Integrated Pan / Tilt Mount			1
1.13	Towable Tower Camera		FH1048	671001C919226	2
1.14	TRICON #3 (storage)		WE456P	814501C110173	1

Ancillary Equipment List
Attachment #1

B KIT

FA591Z

589501X003076

2.1	Active Seismic Imager (ASI)		FF5048	635001C918873	1
2.2	Electromagnetic Gradiometer Kit (EMG)		FG95A0	669501X403936	1
		Transmitter w/ antenna in range of 20kHz and 200/80kHz			2
		Self-standing, telescoping tripod			1
		Rechargeable battery packs and field chargers			1
		Set of spare cables (GPS, Antenna, comms)			1
		Compact flash card reader			1
		Survey Flags			100
		100m Tape Measure			2
		DC to AC power inverter rated at least 400W			1
		Field Service Kit			1
2.3	UNMANNED GROUND VEHICLE (Large)		YF500F	235001C918770	1
2.4	UNMANNED GROUND VEHICLE (Borehole)		YF500F	235001C918772	1
2.5	UNMANNED GROUND VEHICLE (Ops Kit)		NA	NA	1
		Crawler, extended, clutched, aluminum			2
		Chassis, parallel, flat (with wiring harness and spring loaded tether block			1
		Manipulator arm termination; includes camera head mounted on manipulator			1
		Four-function manipulator, installed on chassis; includes shoulder, elbow, rotate and open/close functions			1
		Electronics / controller housing for on-board vehicle electronics			1
		Raise / lower camera actuator control mechanism			1
		Camera for NTSC, aluminum. Pan, tilt, and 40:1 zoom rated to 30m/100ft, built-in argon lighting.			1
		Tether cable 1500ft; 14 conductor abrasion resistant, yellow jacket (includes pneumatic hose for compressed air supply)			1
		Tether reel, ac powered w/pendant, manual level wind portable			1
		Power supply / controller in a rugged case w/ multi-function manipulator and camera raise control.			1
		LCD monitor 8"			2
		LCD monitor 15" on a swivel base			1
		shipping systemized pallet (w/ space for complete system)			1
		LED tri-light assembly, aluminum			2
		Laser lines assembly (incl 2 x red laser lines in housing)			1
		Rf transmitter - Sonde, 512Hz			1
		Digital Video Recorder (Mpeg 4 recording w/ digital zoom, still capture, and audio inputs			1
		Compass, electronic			1
		Removable bumper for UGV w/ detachable handle			1
		Robot, raise / lower platform			1
		Protective caps for robot connectors			2
		Protective shipping case			1
2.6	ALL-TERRAIN VEHICLE - Ranger HD Polaris		YF4000	234001C115083	1
		Full canvas top			1
		Spotlights on bumper			2
		3500lb winch			1
		Fire extinguisher, 5lbs w/ velcro strap			1
		Telescoping lug wrench w/ 17mm, 3/4", 19mm, 13/16", 21mm, 7/8", 22mm sockets			1
		air tool, 50 psi gauge, dual foot chuck			1
2.7	Borehole Camera		FH208S	672001C918872	1
2.8	Thermal Imaging Camera		FH1052	671001G001162	2
2.9	CONEX - Shipping Storage		WE4503	814501C163613	1
2.10	TRICON #4 - Modified		WE456P	814501C110173	1

